

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU110221\
 Data File : VU045516.D
 Acq On : 02 Nov 2021 16:00
 Operator : SY/MD
 Sample : VSTDCCC050
 Misc : 5.0mL/MSVOA_U/WATER
 ALS Vial : 31 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDCCC050EC

Manual Integrations
 APPROVED

Reviewed By : John Carlone 11/03/2021
 Supervised By : Semsettin Yesilyurt 11/09/2021

Quant Time: Nov 02 17:23:27 2021
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\82U102821W.M
 Quant Title : SW846 8260
 QLast Update : Fri Oct 29 11:09:42 2021
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

Internal Standards						
1) Pentafluorobenzene	5.378	168	190808	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.253	114	345889	50.000	ug/l	0.00
63) Chlorobenzene-d5	9.420	117	344488	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	11.815	152	172034	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.706	65	125592	40.430	ug/l	0.00
Spiked Amount 50.000	Range 78 - 117		Recovery =	80.860%		
35) Dibromofluoromethane	5.295	113	102611	46.656	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery =	93.320%		
50) Toluene-d8	7.902	98	452199	52.433	ug/l	0.00
Spiked Amount 50.000	Range 92 - 112		Recovery =	104.860%		
62) 4-Bromofluorobenzene	10.635	95	177389	53.976	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery =	107.960%		
Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.385	85	136883	48.981	ug/l	100
3) Chloromethane	1.520	50	175146	46.130	ug/l	99
4) Vinyl Chloride	1.607	62	161800	51.333	ug/l	98
5) Bromomethane	1.861	94	76243	39.846	ug/l	99
6) Chloroethane	1.935	64	62067	32.683	ug/l	100
7) Trichlorofluoromethane	2.141	101	128445	36.397	ug/l	98
8) Diethyl Ether	2.379	74	61319	37.477	ug/l	85
9) 1,1,2-Trichlorotrifluo...	2.584	101	113092	53.340	ug/l	99
10) Methyl Iodide	2.726	142	73938	38.733	ug/l	99
11) Tert butyl alcohol	3.218	59	178700	266.506	ug/l	100
12) 1,1-Dichloroethene	2.584	96	112846	51.765	ug/l	97
13) Acrolein	2.494	56	30025	200.069	ug/l	98
14) Allyl chloride	2.928	41	215724	53.892	ug/l	100
15) Acrylonitrile	3.321	53	430257	264.661	ug/l	99
16) Acetone	2.642	43	464444	329.330	ug/l	99
17) Carbon Disulfide	2.800	76	329993	52.016	ug/l	100
18) Methyl Acetate	2.954	43	272539	51.896	ug/l	100
19) Methyl tert-butyl Ether	3.369	73	421752	52.583	ug/l	100
20) Methylene Chloride	3.051	84	148196	52.735	ug/l	100
21) trans-1,2-Dichloroethene	3.359	96	122422	52.113	ug/l	99
22) Diisopropyl ether	3.996	45	423386	54.088	ug/l	99
23) Vinyl Acetate	3.960	43	1632055	268.787	ug/l	99
24) 1,1-Dichloroethane	3.877	63	239947	52.310	ug/l	99
25) 2-Butanone	4.710	43	506837	238.065	ug/l	96
26) 2,2-Dichloropropane	4.671	77	141263	39.752	ug/l	97
27) cis-1,2-Dichloroethene	4.671	96	111184	41.130	ug/l	92
28) Bromochloromethane	4.976	49	98136	43.374	ug/l	95
29) Tetrahydrofuran	5.057	42	330088	239.077	ug/l	98
30) Chloroform	5.092	83	214678	48.268	ug/l	98
31) Cyclohexane	5.394	56	217355	46.997	ug/l	100
32) 1,1,1-Trichloroethane	5.321	97	176550	48.367	ug/l	98
36) 1,1-Dichloropropene	5.533	75	169500	51.479	ug/l	99
37) Ethyl Acetate	4.806	43	192326	48.231	ug/l	98
38) Carbon Tetrachloride	5.530	117	143510	49.976	ug/l	98
39) Methylcyclohexane	6.767	83	225518	55.078	ug/l	99
40) Benzene	5.777	78	495323	49.975	ug/l	100

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU110221\
 Data File : VU045516.D
 Acq On : 02 Nov 2021 16:00
 Operator : SY/MD
 Sample : VSTDCCC050
 Misc : 5.0mL/MSVOA_U/WATER
 ALS Vial : 31 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDCCC050EC

Manual Integrations
 APPROVED

Reviewed By : John Carlone 11/03/2021
 Supervised By : Semsettin Yesilyurt 11/09/2021

Quant Time: Nov 02 17:23:27 2021
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\82U102821W.M
 Quant Title : SW846 8260
 QLast Update : Fri Oct 29 11:09:42 2021
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	4.976	41	99679	47.234	ug/l	97
42) 1,2-Dichloroethane	5.800	62	160254	44.023	ug/l	96
43) Isopropyl Acetate	5.915	43	291958	48.583	ug/l	97
44) Trichloroethene	6.546	130	119501	52.021	ug/l	99
45) 1,2-Dichloropropane	6.793	63	139633	53.532	ug/l	97
46) Dibromomethane	6.922	93	87711	51.644	ug/l	97
47) Bromodichloromethane	7.108	83	181190	54.208	ug/l	97
48) Methyl methacrylate	6.964	41	142833	50.146	ug/l	96
49) 1,4-Dioxane	7.012	88	78558	1085.217	ug/l #	100
51) 4-Methyl-2-Pentanone	7.793	43	1053649	271.272	ug/l	100
52) Toluene	7.973	92	330769	54.899	ug/l	100
53) t-1,3-Dichloropropene	8.214	75	212381	55.748	ug/l	100
54) cis-1,3-Dichloropropene	7.610	75	228673	56.048	ug/l	99
55) 1,1,2-Trichloroethane	8.404	97	131846	53.573	ug/l	99
56) Ethyl methacrylate	8.336	69	222953	49.525	ug/l	99
57) 1,3-Dichloropropane	8.578	76	233709	53.498	ug/l	100
58) 2-Chloroethyl Vinyl ether	7.465	63	589727	261.425	ug/l	99
59) 2-Hexanone	8.687	43	846473	281.280	ug/l	100
60) Dibromochloromethane	8.812	129	126814	53.691	ug/l	100
61) 1,2-Dibromoethane	8.925	107	138368	53.677	ug/l	100
64) Tetrachloroethene	8.555	164	103061	52.337	ug/l	99
65) Chlorobenzene	9.449	112	331864	50.810	ug/l	99
66) 1,1,1,2-Tetrachloroethane	9.536	131	112965	51.263	ug/l	99
67) Ethyl Benzene	9.574	91	627799	52.472	ug/l	99
68) m/p-Xylenes	9.697	106	478151	105.872	ug/l	100
69) o-Xylene	10.102	106	232743	52.850	ug/l	100
70) Styrene	10.118	104	400380	49.187	ug/l	99
71) Bromoform	10.295	173	93436	47.002	ug/l #	100
73) Isopropylbenzene	10.488	105	607406	52.362	ug/l	100
74) N-amyl acetate	10.320	43	278837	46.428	ug/l	99
75) 1,1,2,2-Tetrachloroethane	10.787	83	228881	49.714	ug/l	99
76) 1,2,3-Trichloropropane	10.828	75	201953m	44.059	ug/l	
77) Bromobenzene	10.783	156	139781	51.645	ug/l	100
78) n-propylbenzene	10.909	91	755439	53.716	ug/l	100
79) 2-Chlorotoluene	10.989	91	437140	51.640	ug/l	99
80) 1,3,5-Trimethylbenzene	11.092	105	524169	53.701	ug/l	99
81) trans-1,4-Dichloro-2-b...	10.549	75	75254	46.090	ug/l	99
82) 4-Chlorotoluene	11.098	91	512804	53.272	ug/l	99
83) tert-Butylbenzene	11.423	119	493541	52.382	ug/l	99
84) 1,2,4-Trimethylbenzene	11.471	105	522697	53.444	ug/l	100
85) sec-Butylbenzene	11.645	105	660221	53.398	ug/l	100
86) p-Isopropyltoluene	11.796	119	546337	49.878	ug/l	100
87) 1,3-Dichlorobenzene	11.748	146	273391	51.171	ug/l	99
88) 1,4-Dichlorobenzene	11.838	146	275957	50.510	ug/l	100
89) n-Butylbenzene	12.211	91	536435	50.036	ug/l	99
90) Hexachloroethane	12.478	117	88733	50.279	ug/l	98
91) 1,2-Dichlorobenzene	12.214	146	270043	50.536	ug/l	100
92) 1,2-Dibromo-3-Chloropr...	12.999	75	55609	50.288	ug/l	98
93) 1,2,4-Trichlorobenzene	13.841	180	190917	53.351	ug/l	100
94) Hexachlorobutadiene	14.024	225	69658	53.462	ug/l	99
95) Naphthalene	14.089	128	695374	49.152	ug/l	100
96) 1,2,3-Trichlorobenzene	14.333	180	189789	52.616	ug/l	99

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU110221\
Data File : VU045516.D
Acq On : 02 Nov 2021 16:00
Operator : SY/MD
Sample : VSTDCCC050
Misc : 5.0mL/MSVOA_U/WATER
ALS Vial : 31 Sample Multiplier: 1

Instrument :
MSVOA_U
ClientSampleId :
VSTDCCC050EC

Manual Integrations
APPROVED

Reviewed By :John Carlone 11/03/2021
Supervised By :Semsettin Yesilyurt 11/09/2021

Quant Time: Nov 02 17:23:27 2021
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\82U102821W.M
Quant Title : SW846 8260
QLast Update : Fri Oct 29 11:09:42 2021
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
----------	------	------	----------	------	-------	----------

(#) = qualifier out of range (m) = manual integration (+) = signals summed

