

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX112321\
 Data File : VX025288.D
 Acq On : 23 Nov 2021 20:31
 Operator : JC/MD
 Sample : VSTDCCC050
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 28 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050EC

Manual Integrations
 APPROVED

Reviewed By : John Carlone 11/24/2021
 Supervised By : Mahesh Dadoda 11/26/2021

Quant Time: Nov 24 03:15:52 2021
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X111721W.M
 Quant Title : SW846 8260
 QLast Update : Wed Nov 17 15:36:16 2021
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	5.556	168	101546	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.763	114	159285	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	147173	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.024	152	73779	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.958	65	55165	51.539	ug/l	0.00
Spiked Amount 50.000	Range 78 - 117		Recovery = 103.080%			
35) Dibromofluoromethane	5.391	113	49693	50.846	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 101.700%			
50) Toluene-d8	8.653	98	186530	50.762	ug/l	0.00
Spiked Amount 50.000	Range 92 - 112		Recovery = 101.520%			
62) 4-Bromofluorobenzene	11.085	95	69946	50.316	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery = 100.640%			
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.166	85	50755	57.660	ug/l	98
3) Chloromethane	1.294	50	52176	47.872	ug/l	97
4) Vinyl Chloride	1.373	62	58873	49.199	ug/l	99
5) Bromomethane	1.599	94	25465	49.498	ug/l	100
6) Chloroethane	1.678	64	38856	47.061	ug/l	97
7) Trichlorofluoromethane	1.886	101	88878	50.041	ug/l	100
8) Diethyl Ether	2.136	74	35878	48.948	ug/l	99
9) 1,1,2-Trichlorotrifluo...	2.331	101	49650	52.539	ug/l	97
10) Methyl Iodide	2.453	142	57569	48.721	ug/l	92
11) Tert butyl alcohol	2.965	59	62674	236.220	ug/l	97
12) 1,1-Dichloroethene	2.318	96	48145	51.155	ug/l	90
13) Acrolein	2.239	56	13097	267.091	ug/l	100
14) Allyl chloride	2.666	41	81756	47.997	ug/l	94
15) Acrylonitrile	3.068	53	147990	257.650	ug/l	98
16) Acetone	2.379	43	125941	211.751	ug/l	97
17) Carbon Disulfide	2.514	76	120776	45.617	ug/l	100
18) Methyl Acetate	2.703	43	93938	49.434	ug/l	98
19) Methyl tert-butyl Ether	3.117	73	166720	50.840	ug/l	100
20) Methylene Chloride	2.788	84	54603	48.838	ug/l	96
21) trans-1,2-Dichloroethene	3.093	96	51851	50.289	ug/l	84
22) Diisopropyl ether	3.763	45	166787	51.416	ug/l	98
23) Vinyl Acetate	3.721	43	667923	256.337	ug/l	97
24) 1,1-Dichloroethane	3.611	63	91685	51.727	ug/l	95
25) 2-Butanone	4.562	43	204230	237.506	ug/l	95
26) 2,2-Dichloropropane	4.477	77	77509	48.234	ug/l	97
27) cis-1,2-Dichloroethene	4.489	96	61400	50.995	ug/l	90
28) Bromochloromethane	4.903	49	43133	52.188	ug/l	93
29) Tetrahydrofuran	5.007	42	133896	251.483	ug/l	98
30) Chloroform	5.098	83	96385	52.253	ug/l	96
31) Cyclohexane	5.470	56	82216	49.706	ug/l	96
32) 1,1,1-Trichloroethane	5.385	97	87577	51.858	ug/l	98
36) 1,1-Dichloropropene	5.696	75	69921	50.314	ug/l	97
37) Ethyl Acetate	4.714	43	79495	50.277	ug/l	99
38) Carbon Tetrachloride	5.684	117	78371	51.201	ug/l	99
39) Methylcyclohexane	7.385	83	87507	49.090	ug/l	91
40) Benzene	6.037	78	213670	50.755	ug/l	98

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX112321\
 Data File : VX025288.D
 Acq On : 23 Nov 2021 20:31
 Operator : JC/MD
 Sample : VSTDCCC050
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 28 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050EC

Quant Time: Nov 24 03:15:52 2021
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X111721W.M
 Quant Title : SW846 8260
 QLast Update : Wed Nov 17 15:36:16 2021
 Response via : Initial Calibration

Manual Integrations
 APPROVED

Reviewed By : John Carlone 11/24/2021
 Supervised By : Mahesh Dadoda 11/26/2021

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	4.922	41	43394	49.447	ug/l	97
42) 1,2-Dichloroethane	6.092	62	71183	51.966	ug/l	93
43) Isopropyl Acetate	6.342	43	130271	49.507	ug/l	97
44) Trichloroethene	7.129	130	62438	51.055	ug/l	95
45) 1,2-Dichloropropane	7.433	63	53677	51.914	ug/l	100
46) Dibromomethane	7.586	93	39305	52.365	ug/l	93
47) Bromodichloromethane	7.824	83	75714	51.330	ug/l	97
48) Methyl methacrylate	7.696	41	60894	49.309	ug/l	96
49) 1,4-Dioxane	7.659	88	23597	904.827	ug/l	96
51) 4-Methyl-2-Pentanone	8.573	43	414052	250.941	ug/l	98
52) Toluene	8.720	92	139571	50.782	ug/l	98
53) t-1,3-Dichloropropene	8.982	75	82412	50.241	ug/l	99
54) cis-1,3-Dichloropropene	8.366	75	90101	50.673	ug/l	98
55) 1,1,2-Trichloroethane	9.153	97	57346	52.497	ug/l	97
56) Ethyl methacrylate	9.116	69	90023	50.783	ug/l	95
57) 1,3-Dichloropropane	9.311	76	92840	51.277	ug/l	99
58) 2-Chloroethyl Vinyl ether	8.244	63	219583	266.243	ug/l	95
59) 2-Hexanone	9.433	43	318717	245.014	ug/l	96
60) Dibromochloromethane	9.524	129	64296	51.139	ug/l	100
61) 1,2-Dibromoethane	9.610	107	61264	51.782	ug/l	98
64) Tetrachloroethene	9.274	164	62515	51.512	ug/l	93
65) Chlorobenzene	10.079	112	155051	51.699	ug/l	99
66) 1,1,1,2-Tetrachloroethane	10.165	131	59401	51.648	ug/l	99
67) Ethyl Benzene	10.195	91	265819	51.289	ug/l	96
68) m/p-Xylenes	10.305	106	213658	100.928	ug/l	93
69) o-Xylene	10.646	106	106544	51.422	ug/l	90
70) Styrene	10.658	104	176375	51.528	ug/l	97
71) Bromoform	10.799	173	49576	49.649	ug/l #	99
73) Isopropylbenzene	10.963	105	270820	51.505	ug/l	97
74) N-amyl acetate	10.841	43	114551	50.367	ug/l	97
75) 1,1,2,2-Tetrachloroethane	11.213	83	86427	50.816	ug/l	99
76) 1,2,3-Trichloropropane	11.244	75	78796m	52.154	ug/l	
77) Bromobenzene	11.201	156	69238	51.202	ug/l	94
78) n-propylbenzene	11.305	91	308172	52.213	ug/l	97
79) 2-Chlorotoluene	11.366	91	183333	51.021	ug/l	95
80) 1,3,5-Trimethylbenzene	11.451	105	227340	51.436	ug/l	96
81) trans-1,4-Dichloro-2-b...	11.018	75	28741	47.923	ug/l	91
82) 4-Chlorotoluene	11.457	91	208984	50.950	ug/l	96
83) tert-Butylbenzene	11.719	119	228748	50.926	ug/l	94
84) 1,2,4-Trimethylbenzene	11.756	105	226021	51.740	ug/l	94
85) sec-Butylbenzene	11.890	105	288250	52.786	ug/l	98
86) p-Isopropyltoluene	12.012	119	242816	51.753	ug/l	97
87) 1,3-Dichlorobenzene	11.969	146	131036	52.056	ug/l	97
88) 1,4-Dichlorobenzene	12.042	146	130856	51.303	ug/l	97
89) n-Butylbenzene	12.335	91	204901	51.813	ug/l	97
90) Hexachloroethane	12.542	117	42315	48.940	ug/l	97
91) 1,2-Dichlorobenzene	12.335	146	127025	51.780	ug/l	98
92) 1,2-Dibromo-3-Chloropr...	12.945	75	18945	53.327	ug/l	83
93) 1,2,4-Trichlorobenzene	13.591	180	81766	56.629	ug/l	98
94) Hexachlorobutadiene	13.725	225	34691	50.038	ug/l	98
95) Naphthalene	13.780	128	275454	55.372	ug/l	99
96) 1,2,3-Trichlorobenzene	13.963	180	81887	57.973	ug/l	99

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX112321\
Data File : VX025288.D
Acq On : 23 Nov 2021 20:31
Operator : JC/MD
Sample : VSTDCCC050
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 28 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Manual Integrations
APPROVED

Reviewed By :John Carlone 11/24/2021
Supervised By :Mahesh Dadoda 11/26/2021

Quant Time: Nov 24 03:15:52 2021
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X111721W.M
Quant Title : SW846 8260
QLast Update : Wed Nov 17 15:36:16 2021
Response via : Initial Calibration

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

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

