

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU111021\
 Data File : VU045726.D
 Acq On : 11 Nov 2021 06:45
 Operator : SY/MD
 Sample : VSTDCCC050
 Misc : 5.0mL/MSVOA_U/WATER
 ALS Vial : 47 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDCCC050EC

Manual Integrations
 APPROVED

Reviewed By : John Carlone 11/11/2021
 Supervised By : Mahesh Dadoda 11/15/2021

Quant Time: Nov 11 13:11:54 2021
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\82U110521W.M
 Quant Title : SW846 8260
 QLast Update : Fri Nov 05 13:35:16 2021
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	5.375	168	110760	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.253	114	201080	50.000	ug/l	0.00
63) Chlorobenzene-d5	9.420	117	197678	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	11.816	152	104468	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.703	65	85452	51.516	ug/l	0.00
Spiked Amount 50.000	Range 78 - 117		Recovery = 103.040%			
35) Dibromofluoromethane	5.292	113	65789	49.005	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 98.000%			
50) Toluene-d8	7.899	98	248754	49.830	ug/l	0.00
Spiked Amount 50.000	Range 92 - 112		Recovery = 99.660%			
62) 4-Bromofluorobenzene	10.636	95	96673	48.293	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery = 96.580%			
Target Compounds					Qvalue	
2) Dichlorodifluoromethane	1.385	85	68064	47.396	ug/l	100
3) Chloromethane	1.520	50	74107	45.102	ug/l	98
4) Vinyl Chloride	1.604	62	80184	50.097	ug/l	99
5) Bromomethane	1.848	94	50000	56.006	ug/l	100
6) Chloroethane	1.932	64	48722	46.644	ug/l	96
7) Trichlorofluoromethane	2.138	101	105565	49.876	ug/l	99
8) Diethyl Ether	2.375	74	42670	50.929	ug/l	99
9) 1,1,2-Trichlorotrifluo...	2.581	101	59022	47.756	ug/l	97
10) Methyl Iodide	2.723	142	60641	37.494	ug/l	92
11) Tert butyl alcohol	3.173	59	74233	226.098	ug/l	99
12) 1,1-Dichloroethene	2.581	96	58358	47.891	ug/l	99
13) Acrolein	2.488	56	11431	240.258	ug/l	91
14) Allyl chloride	2.925	41	101773	46.775	ug/l	98
15) Acrylonitrile	3.311	53	223124	254.538	ug/l	99
16) Acetone	2.623	43	174639	206.823	ug/l	99
17) Carbon Disulfide	2.793	76	148642	43.550	ug/l	99
18) Methyl Acetate	2.948	43	142597	49.582	ug/l	99
19) Methyl tert-butyl Ether	3.366	73	224557	51.195	ug/l	98
20) Methylene Chloride	3.047	84	72344	49.308	ug/l	98
21) trans-1,2-Dichloroethene	3.356	96	63175	49.834	ug/l	97
22) Diisopropyl ether	3.993	45	222774	52.144	ug/l	98
23) Vinyl Acetate	3.957	43	848838	258.332	ug/l	100
24) 1,1-Dichloroethane	3.871	63	131267	51.561	ug/l	99
25) 2-Butanone	4.700	43	282922	241.579	ug/l	100
26) 2,2-Dichloropropane	4.668	77	73779	34.972	ug/l	99
27) cis-1,2-Dichloroethene	4.671	96	76649	51.478	ug/l	96
28) Bromochloromethane	4.977	49	57041	46.997	ug/l	97
29) Tetrahydrofuran	5.047	42	179388	250.415	ug/l	99
30) Chloroform	5.089	83	130942	52.005	ug/l	99
31) Cyclohexane	5.391	56	111871	46.222	ug/l	99
32) 1,1,1-Trichloroethane	5.321	97	110484	51.456	ug/l	98
36) 1,1-Dichloropropene	5.530	75	91813	46.827	ug/l	99
37) Ethyl Acetate	4.803	43	107610	47.779	ug/l	98
38) Carbon Tetrachloride	5.526	117	96673	48.906	ug/l	98
39) Methylcyclohexane	6.764	83	106822	44.410	ug/l	97
40) Benzene	5.777	78	278477	47.973	ug/l	99

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	4.973	41	60851	51.125	ug/l	97
42) 1,2-Dichloroethane	5.797	62	103062	49.153	ug/l	99
43) Isopropyl Acetate	5.912	43	163413	47.436	ug/l	98
44) Trichloroethene	6.546	130	68841	49.544	ug/l	98
45) 1,2-Dichloropropane	6.793	63	77100	50.196	ug/l	100
46) Dibromomethane	6.919	93	52969	49.771	ug/l	99
47) Bromodichloromethane	7.108	83	104187	51.594	ug/l	97
48) Methyl methacrylate	6.960	41	76822	48.450	ug/l	97
49) 1,4-Dioxane	6.960	88	34318	841.621	ug/l #	95
51) 4-Methyl-2-Pentanone	7.793	43	565183	248.709	ug/l	99
52) Toluene	7.970	92	177837	50.040	ug/l	100
53) t-1,3-Dichloropropene	8.211	75	104863	45.184	ug/l	100
54) cis-1,3-Dichloropropene	7.610	75	116309	47.184	ug/l	94
55) 1,1,2-Trichloroethane	8.401	97	74891	50.846	ug/l	99
56) Ethyl methacrylate	8.333	69	116605	44.421	ug/l	97
57) 1,3-Dichloropropane	8.578	76	131519	49.576	ug/l	100
58) 2-Chloroethyl Vinyl ether	7.465	63	268040	197.669	ug/l	99
59) 2-Hexanone	8.684	43	425021	216.002	ug/l	99
60) Dibromochloromethane	8.812	129	77623	50.611	ug/l	97
61) 1,2-Dibromoethane	8.925	107	77822	49.263	ug/l	99
64) Tetrachloroethene	8.555	164	61071	53.827	ug/l	98
65) Chlorobenzene	9.449	112	184928	47.626	ug/l	99
66) 1,1,1,2-Tetrachloroethane	9.536	131	66952	48.346	ug/l	98
67) Ethyl Benzene	9.571	91	341368	49.093	ug/l	99
68) m/p-Xylenes	9.697	106	261760	99.816	ug/l	100
69) o-Xylene	10.102	106	126721	49.703	ug/l	99
70) Styrene	10.115	104	218968	50.767	ug/l	98
71) Bromoform	10.292	173	57086	43.951	ug/l #	98
73) Isopropylbenzene	10.488	105	336920	49.359	ug/l	100
74) N-amyl acetate	10.320	43	143351	46.553	ug/l	99
75) 1,1,2,2-Tetrachloroethane	10.783	83	128343	47.457	ug/l	99
76) 1,2,3-Trichloropropane	10.825	75	111842m	35.303	ug/l	
77) Bromobenzene	10.783	156	79069	47.710	ug/l	97
78) n-propylbenzene	10.909	91	411064	48.386	ug/l	100
79) 2-Chlorotoluene	10.986	91	244121	48.638	ug/l	99
80) 1,3,5-Trimethylbenzene	11.089	105	289393	48.525	ug/l	100
81) trans-1,4-Dichloro-2-b...	10.549	75	32624	34.708	ug/l	99
82) 4-Chlorotoluene	11.099	91	282051	47.916	ug/l	99
83) tert-Butylbenzene	11.423	119	274927	48.360	ug/l	99
84) 1,2,4-Trimethylbenzene	11.472	105	292992	49.431	ug/l	99
85) sec-Butylbenzene	11.645	105	359252	47.648	ug/l	100
86) p-Isopropyltoluene	11.796	119	300601	47.710	ug/l	99
87) 1,3-Dichlorobenzene	11.748	146	153659	45.953	ug/l	99
88) 1,4-Dichlorobenzene	11.838	146	156980	46.418	ug/l	99
89) n-Butylbenzene	12.211	91	273457	45.056	ug/l	100
90) Hexachloroethane	12.478	117	48421	42.602	ug/l	97
91) 1,2-Dichlorobenzene	12.214	146	154232	47.409	ug/l	99
92) 1,2-Dibromo-3-Chloropr...	12.999	75	28439	44.567	ug/l	95
93) 1,2,4-Trichlorobenzene	13.841	180	99430	44.203	ug/l	99
94) Hexachlorobutadiene	14.024	225	38966	40.131	ug/l	98
95) Naphthalene	14.089	128	375617	44.533	ug/l	99
96) 1,2,3-Trichlorobenzene	14.330	180	103602	46.370	ug/l	99

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

