

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX041922\
 Data File : VX028185.D
 Acq On : 20 Apr 2022 01:31
 Operator : JC/MD
 Sample : VSTDCCC050
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 40 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050EC

Manual Integrations
 APPROVED

Reviewed By : John Carlone 04/20/2022
 Supervised By : Mahesh Dadoda 04/21/2022

Quant Time: Apr 20 09:59:52 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X041922W.M
 Quant Title : SW846 8260
 QLast Update : Tue Apr 19 13:38:04 2022
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	5.556	168	326047	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.763	114	534678	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	516693	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.024	152	301126	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.958	65	188066	44.238	ug/l	0.00
Spiked Amount 50.000	Range 61 - 141		Recovery =	88.480%		
35) Dibromofluoromethane	5.391	113	166549	44.417	ug/l	0.00
Spiked Amount 50.000	Range 69 - 133		Recovery =	88.840%		
50) Toluene-d8	8.653	98	624487	43.362	ug/l	0.00
Spiked Amount 50.000	Range 65 - 126		Recovery =	86.720%		
62) 4-Bromofluorobenzene	11.085	95	244594	44.418	ug/l	0.00
Spiked Amount 50.000	Range 58 - 135		Recovery =	88.840%		
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.167	85	79635	37.837	ug/l	100
3) Chloromethane	1.288	50	107055	50.477	ug/l	98
4) Vinyl Chloride	1.374	62	139276	42.372	ug/l	100
5) Bromomethane	1.599	94	129659	43.154	ug/l	96
6) Chloroethane	1.679	64	108069	45.635	ug/l	98
7) Trichlorofluoromethane	1.886	101	303302	41.845	ug/l	97
8) Diethyl Ether	2.130	74	104130	47.672	ug/l	90
9) 1,1,2-Trichlorotrifluo...	2.331	101	134179	50.819	ug/l	98
10) Methyl Iodide	2.453	142	176723	49.053	ug/l	96
11) Tert butyl alcohol	2.965	59	205098	251.996	ug/l	98
12) 1,1-Dichloroethene	2.319	96	126943	50.661	ug/l	96
13) Acrolein	2.233	56	138173	265.199	ug/l	98
14) Allyl chloride	2.666	41	196395	46.710	ug/l	94
15) Acrylonitrile	3.063	53	399695	230.708	ug/l	99
16) Acetone	2.380	43	327959	252.587	ug/l	94
17) Carbon Disulfide	2.514	76	322307	47.764	ug/l	99
18) Methyl Acetate	2.703	43	175445	46.415	ug/l	100
19) Methyl tert-butyl Ether	3.111	73	503288	48.166	ug/l	98
20) Methylene Chloride	2.788	84	156660	49.665	ug/l	99
21) trans-1,2-Dichloroethene	3.093	96	159171	46.709	ug/l	93
22) Diisopropyl ether	3.758	45	428059	44.699	ug/l #	78
23) Vinyl Acetate	3.721	43	1917658	229.208	ug/l	98
24) 1,1-Dichloroethane	3.611	63	264671	46.807	ug/l	99
25) 2-Butanone	4.556	43	548523	217.861	ug/l	96
26) 2,2-Dichloropropane	4.477	77	221013	40.032	ug/l	100
27) cis-1,2-Dichloroethene	4.489	96	187778	46.213	ug/l	92
28) Bromochloromethane	4.904	49	112244	46.267	ug/l	86
29) Tetrahydrofuran	5.001	42	353831	215.530	ug/l	99
30) Chloroform	5.093	83	309111	45.520	ug/l	98
31) Cyclohexane	5.471	56	228362	44.090	ug/l	96
32) 1,1,1-Trichloroethane	5.385	97	286071	46.522	ug/l	97
36) 1,1-Dichloropropene	5.696	75	217266	44.421	ug/l	97
37) Ethyl Acetate	4.715	43	216108	43.545	ug/l	99
38) Carbon Tetrachloride	5.684	117	252176	45.672	ug/l	99
39) Methylcyclohexane	7.379	83	267519	43.349	ug/l	96
40) Benzene	6.044	78	640934	44.767	ug/l	98

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	4.922	41	109947	42.939	ug/l	98
42) 1,2-Dichloroethane	6.086	62	232243	43.699	ug/l	100
43) Isopropyl Acetate	6.342	43	345777	42.809	ug/l	99
44) Trichloroethene	7.129	130	187143	45.075	ug/l	97
45) 1,2-Dichloropropane	7.434	63	153911	43.918	ug/l	99
46) Dibromomethane	7.580	93	123448	44.905	ug/l	99
47) Bromodichloromethane	7.824	83	237309	44.914	ug/l	99
48) Methyl methacrylate	7.696	41	159957	43.134	ug/l #	93
49) 1,4-Dioxane	7.659	88	89655	903.736	ug/l	93
51) 4-Methyl-2-Pentanone	8.574	43	1120803	216.237	ug/l	97
52) Toluene	8.720	92	447373	44.977	ug/l	97
53) t-1,3-Dichloropropene	8.982	75	256300	45.643	ug/l	100
54) cis-1,3-Dichloropropene	8.366	75	267329	44.333	ug/l	93
55) 1,1,2-Trichloroethane	9.153	97	184170	45.571	ug/l	97
56) Ethyl methacrylate	9.116	69	269388	45.984	ug/l #	93
57) 1,3-Dichloropropane	9.311	76	289640	44.403	ug/l	100
58) 2-Chloroethyl Vinyl ether	8.245	63	615309	223.857	ug/l	91
59) 2-Hexanone	9.433	43	885455	220.537	ug/l	96
60) Dibromochloromethane	9.525	129	207491	47.095	ug/l	96
61) 1,2-Dibromoethane	9.610	107	203587	45.918	ug/l	98
64) Tetrachloroethene	9.275	164	163878	40.605	ug/l	98
65) Chlorobenzene	10.080	112	505060	45.846	ug/l	100
66) 1,1,1,2-Tetrachloroethane	10.165	131	194440	47.381	ug/l	99
67) Ethyl Benzene	10.195	91	862430	46.687	ug/l	95
68) m/p-Xylenes	10.305	106	716409	95.291	ug/l	93
69) o-Xylene	10.647	106	352058	46.968	ug/l	94
70) Styrene	10.659	104	587399	48.371	ug/l	99
71) Bromoform	10.799	173	158233	42.372	ug/l	99
73) Isopropylbenzene	10.964	105	906435	43.795	ug/l	98
74) N-amyl acetate	10.842	43	324748	45.395	ug/l	96
75) 1,1,2,2-Tetrachloroethane	11.214	83	305278	45.453	ug/l	99
76) 1,2,3-Trichloropropane	11.244	75	267020m	45.056	ug/l	
77) Bromobenzene	11.201	156	241983	44.891	ug/l	88
78) n-propylbenzene	11.305	91	1018106	44.361	ug/l	96
79) 2-Chlorotoluene	11.366	91	621577	43.562	ug/l	96
80) 1,3,5-Trimethylbenzene	11.451	105	798341	45.440	ug/l	96
81) trans-1,4-Dichloro-2-b...	11.018	75	86031	43.140	ug/l	96
82) 4-Chlorotoluene	11.457	91	723050	43.991	ug/l	94
83) tert-Butylbenzene	11.720	119	834108	46.493	ug/l	99
84) 1,2,4-Trimethylbenzene	11.756	105	797416	45.659	ug/l	97
85) sec-Butylbenzene	11.890	105	975311	45.061	ug/l	97
86) p-Isopropyltoluene	12.012	119	859744	46.044	ug/l	98
87) 1,3-Dichlorobenzene	11.969	146	470858	46.488	ug/l	99
88) 1,4-Dichlorobenzene	12.043	146	479908	45.127	ug/l	99
89) n-Butylbenzene	12.335	91	683065	44.551	ug/l	97
90) Hexachloroethane	12.543	117	145556	43.565	ug/l	98
91) 1,2-Dichlorobenzene	12.335	146	468045	46.517	ug/l	98
92) 1,2-Dibromo-3-Chloropr...	12.945	75	66553	44.556	ug/l	91
93) 1,2,4-Trichlorobenzene	13.591	180	272644	45.559	ug/l	99
94) Hexachlorobutadiene	13.725	225	110659	41.439	ug/l	93
95) Naphthalene	13.774	128	954792	47.894	ug/l	100
96) 1,2,3-Trichlorobenzene	13.963	180	271183	46.166	ug/l	97

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

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