

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX032822\
 Data File : VX027744.D
 Acq On : 28 Mar 2022 11:15
 Operator : JC/MD
 Sample : VSTDCCC050
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050

Manual Integrations
 APPROVED

Reviewed By : John Carlone 03/29/2022
 Supervised By : Mahesh Dadoda 03/29/2022

Quant Time: Mar 28 16:58:10 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X032522W.M
 Quant Title : SW846 8260
 QLast Update : Fri Mar 25 16:26:59 2022
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	5.550	168	61119	50.000	ug/l	# 0.00
34) 1,4-Difluorobenzene	6.757	114	101460	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	91675	50.000	ug/l	# 0.00
72) 1,4-Dichlorobenzene-d4	12.024	152	43393	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.952	65	47453	47.338	ug/l	-0.01
Spiked Amount 50.000	Range 61 - 141		Recovery =	94.680%		
35) Dibromofluoromethane	5.385	113	36928	55.424	ug/l	0.00
Spiked Amount 50.000	Range 69 - 133		Recovery =	110.840%		
50) Toluene-d8	8.647	98	139810	54.282	ug/l	0.00
Spiked Amount 50.000	Range 65 - 126		Recovery =	108.560%		
62) 4-Bromofluorobenzene	11.079	95	60769	58.147	ug/l	0.00
Spiked Amount 50.000	Range 58 - 135		Recovery =	116.300%		
Target Compounds						
						Qvalue
2) Dichlorodifluoromethane	1.166	85	38368	54.120	ug/l	100
3) Chloromethane	1.294	50	32096	43.692	ug/l	98
4) Vinyl Chloride	1.374	62	32901	46.629	ug/l	99
5) Bromomethane	1.599	94	14819	52.311	ug/l	98
6) Chloroethane	1.678	64	19392	42.827	ug/l	98
7) Trichlorofluoromethane	1.886	101	50006	48.011	ug/l	97
8) Diethyl Ether	2.136	74	18155	48.298	ug/l	91
9) 1,1,2-Trichlorotrifluo...	2.331	101	33982	48.787	ug/l	95
10) Methyl Iodide	2.453	142	39612	54.006	ug/l	91
11) Tert butyl alcohol	2.959	59	40102	214.860	ug/l	99
12) 1,1-Dichloroethene	2.319	96	31024	47.786	ug/l	95
13) Acrolein	2.233	56	34541	264.390	ug/l	99
14) Allyl chloride	2.660	41	55542	45.224	ug/l	92
15) Acrylonitrile	3.062	53	102714	224.717	ug/l	100
16) Acetone	2.380	43	120394	283.981	ug/l	94
17) Carbon Disulfide	2.508	76	70358	40.395	ug/l	99
18) Methyl Acetate	2.703	43	45180	41.671	ug/l	93
19) Methyl tert-butyl Ether	3.117	73	117960	49.493	ug/l	99
20) Methylene Chloride	2.788	84	36330	48.031	ug/l	91
21) trans-1,2-Dichloroethene	3.093	96	33161	45.922	ug/l	94
22) Diisopropyl ether	3.757	45	112841	46.112	ug/l #	81
23) Vinyl Acetate	3.721	43	501582	234.401	ug/l #	93
24) 1,1-Dichloroethane	3.611	63	64790	46.726	ug/l	96
25) 2-Butanone	4.556	43	158685	233.068	ug/l	91
26) 2,2-Dichloropropane	4.471	77	55869	52.691	ug/l	97
27) cis-1,2-Dichloroethene	4.483	96	40966	50.932	ug/l	97
28) Bromochloromethane	4.897	49	29378	53.116	ug/l	87
29) Tetrahydrofuran	5.001	42	89501	255.889	ug/l	90
30) Chloroform	5.092	83	69414	49.957	ug/l	96
31) Cyclohexane	5.464	56	55001	45.250	ug/l	89
32) 1,1,1-Trichloroethane	5.385	97	60695	49.149	ug/l	98
36) 1,1-Dichloropropene	5.696	75	49920	47.435	ug/l	97
37) Ethyl Acetate	4.708	43	54521	44.509	ug/l	97
38) Carbon Tetrachloride	5.678	117	52447	50.998	ug/l	99
39) Methylcyclohexane	7.379	83	61000	50.389	ug/l	91
40) Benzene	6.037	78	143973	49.525	ug/l	99

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	4.922	41	30069	46.863	ug/l	91
42) 1,2-Dichloroethane	6.086	62	57263	46.335	ug/l	94
43) Isopropyl Acetate	6.342	43	91412	49.412	ug/l	94
44) Trichloroethene	7.129	130	37698	50.119	ug/l	93
45) 1,2-Dichloropropane	7.433	63	39667	51.992	ug/l	99
46) Dibromomethane	7.580	93	27734	50.798	ug/l	90
47) Bromodichloromethane	7.824	83	56950	53.263	ug/l	97
48) Methyl methacrylate	7.690	41	46203	52.787	ug/l	84
49) 1,4-Dioxane	7.659	88	17650	904.364	ug/l #	94
51) 4-Methyl-2-Pentanone	8.574	43	332783	262.035	ug/l	88
52) Toluene	8.720	92	95942	52.791	ug/l	99
53) t-1,3-Dichloropropene	8.976	75	63828	53.728	ug/l	96
54) cis-1,3-Dichloropropene	8.366	75	68294	57.939	ug/l #	84
55) 1,1,2-Trichloroethane	9.153	97	40095	54.303	ug/l	95
56) Ethyl methacrylate	9.116	69	70472	58.395	ug/l #	74
57) 1,3-Dichloropropane	9.311	76	69899	52.480	ug/l	99
58) 2-Chloroethyl Vinyl ether	8.244	63	175793	284.516	ug/l	94
59) 2-Hexanone	9.433	43	272957	275.035	ug/l	84
60) Dibromochloromethane	9.525	129	41001	57.405	ug/l	99
61) 1,2-Dibromoethane	9.610	107	40771	51.710	ug/l	100
64) Tetrachloroethene	9.275	164	34176	57.628	ug/l	88
65) Chlorobenzene	10.079	112	100881	52.231	ug/l	99
66) 1,1,1,2-Tetrachloroethane	10.165	131	36671	55.244	ug/l	99
67) Ethyl Benzene	10.195	91	195508	54.347	ug/l	98
68) m/p-Xylenes	10.305	106	143639	110.161	ug/l	88
69) o-Xylene	10.640	106	70100	53.501	ug/l	85
70) Styrene	10.659	104	118588	56.933	ug/l #	90
71) Bromoform	10.799	173	28578	59.422	ug/l #	99
73) Isopropylbenzene	10.963	105	190992	53.587	ug/l	97
74) N-amyl acetate	10.841	43	93511	54.665	ug/l #	83
75) 1,1,2,2-Tetrachloroethane	11.213	83	62831	50.031	ug/l	100
76) 1,2,3-Trichloropropane	11.244	75	62402m	51.650	ug/l	
77) Bromobenzene	11.201	156	41368	52.534	ug/l	80
78) n-propylbenzene	11.305	91	233267	55.163	ug/l	94
79) 2-Chlorotoluene	11.366	91	140004	52.516	ug/l	91
80) 1,3,5-Trimethylbenzene	11.451	105	169046	55.183	ug/l	94
81) trans-1,4-Dichloro-2-b...	11.018	75	20785	58.559	ug/l #	80
82) 4-Chlorotoluene	11.457	91	165113	53.839	ug/l	93
83) tert-Butylbenzene	11.719	119	155236	55.161	ug/l	84
84) 1,2,4-Trimethylbenzene	11.756	105	167992	54.029	ug/l	94
85) sec-Butylbenzene	11.890	105	202733	54.993	ug/l	96
86) p-Isopropyltoluene	12.012	119	168107	57.941	ug/l	93
87) 1,3-Dichlorobenzene	11.969	146	80090	54.399	ug/l	94
88) 1,4-Dichlorobenzene	12.042	146	78884	51.722	ug/l	94
89) n-Butylbenzene	12.335	91	155358	56.561	ug/l	95
90) Hexachloroethane	12.542	117	26785	57.849	ug/l	88
91) 1,2-Dichlorobenzene	12.335	146	76466	53.561	ug/l	96
92) 1,2-Dibromo-3-Chloropr...	12.945	75	16515	53.654	ug/l	63
93) 1,2,4-Trichlorobenzene	13.591	180	46510	55.275	ug/l	97
94) Hexachlorobutadiene	13.725	225	21692	52.940	ug/l	96
95) Naphthalene	13.780	128	164272	53.159	ug/l	100
96) 1,2,3-Trichlorobenzene	13.963	180	46018	54.712	ug/l	95

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

