

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX020624\
 Data File : VX040144.D
 Acq On : 06 Feb 2024 17:10
 Operator : JC/MD
 Sample : VSTDCCC050
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 16 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050EC

Manual Integrations
 APPROVED

Reviewed By : John Carlone 02/07/2024
 Supervised By : Mahesh Dadoda 02/07/2024

Quant Time: Feb 07 00:38:40 2024
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X013024W.M
 Quant Title : SW846 8260
 QLast Update : Thu Feb 01 05:44:39 2024
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	5.556	168	96833	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.763	114	161369	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	129726	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.024	152	81781	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.958	65	64442	41.351	ug/l	0.00
Spiked Amount 50.000	Range 78 - 117		Recovery =	82.700%		
35) Dibromofluoromethane	5.385	113	47803	43.517	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery =	87.040%		
50) Toluene-d8	8.647	98	194356	47.311	ug/l	0.00
Spiked Amount 50.000	Range 92 - 112		Recovery =	94.620%		
62) 4-Bromofluorobenzene	11.079	95	80977	51.192	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery =	102.380%		
Target Compounds						
						Qvalue
2) Dichlorodifluoromethane	1.166	85	61680	56.553	ug/l	98
3) Chloromethane	1.294	50	44373	42.899	ug/l	99
4) Vinyl Chloride	1.374	62	38736	40.493	ug/l	99
5) Bromomethane	1.599	94	43929	47.239	ug/l	97
6) Chloroethane	1.679	64	25759	40.788	ug/l	96
7) Trichlorofluoromethane	1.880	101	57519	37.791	ug/l	98
8) Diethyl Ether	2.130	74	23383	43.455	ug/l	98
9) 1,1,2-Trichlorotrifluo...	2.325	101	42475	37.403	ug/l	95
10) Methyl Iodide	2.453	142	50486	41.763	ug/l	96
11) Tert butyl alcohol	2.959	59	76908	271.980	ug/l #	92
12) 1,1-Dichloroethene	2.313	96	39294	36.078	ug/l	98
13) Acrolein	2.233	56	47740	176.214	ug/l	99
14) Allyl chloride	2.660	41	99078	50.468	ug/l	97
15) Acrylonitrile	3.062	53	189918	268.119	ug/l	98
16) Acetone	2.380	43	141437	193.699	ug/l	98
17) Carbon Disulfide	2.508	76	127432	40.018	ug/l	99
18) Methyl Acetate	2.703	43	109827	63.490	ug/l	99
19) Methyl tert-butyl Ether	3.111	73	190295	51.006	ug/l	100
20) Methylene Chloride	2.788	84	64905	50.018	ug/l	93
21) trans-1,2-Dichloroethene	3.093	96	57061	47.573	ug/l	92
22) Diisopropyl ether	3.764	45	177669	46.721	ug/l	91
23) Vinyl Acetate	3.721	43	769971	226.244	ug/l	99
24) 1,1-Dichloroethane	3.605	63	105643	48.506	ug/l	99
25) 2-Butanone	4.556	43	252774	249.030	ug/l	95
26) 2,2-Dichloropropane	4.471	77	73739	43.391	ug/l	97
27) cis-1,2-Dichloroethene	4.483	96	65499	48.941	ug/l	92
28) Bromochloromethane	4.897	49	49424	48.665	ug/l	98
29) Tetrahydrofuran	5.007	42	160925	249.345	ug/l	98
30) Chloroform	5.086	83	110879	47.411	ug/l	98
31) Cyclohexane	5.464	56	85805	43.955	ug/l	98
32) 1,1,1-Trichloroethane	5.379	97	86676	43.186	ug/l	97
36) 1,1-Dichloropropene	5.690	75	81729	51.444	ug/l	99
37) Ethyl Acetate	4.715	43	88565	51.045	ug/l	99
38) Carbon Tetrachloride	5.672	117	80253	52.794	ug/l	95
39) Methylcyclohexane	7.379	83	92072	47.633	ug/l	94
40) Benzene	6.038	78	233321	50.424	ug/l	99

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	4.922	41	51231	58.224	ug/l	93
42) 1,2-Dichloroethane	6.086	62	89136	50.042	ug/l	98
43) Isopropyl Acetate	6.342	43	147919	54.062	ug/l	99
44) Trichloroethene	7.123	130	61001	50.096	ug/l	99
45) 1,2-Dichloropropane	7.421	63	52676	43.116	ug/l	99
46) Dibromomethane	7.580	93	44312	48.322	ug/l	98
47) Bromodichloromethane	7.818	83	82590	50.569	ug/l	96
48) Methyl methacrylate	7.690	41	74071	54.956	ug/l	92
49) 1,4-Dioxane	7.659	88	29146	995.123	ug/l #	88
51) 4-Methyl-2-Pentanone	8.574	43	510969	273.575	ug/l	100
52) Toluene	8.720	92	146076	50.649	ug/l	96
53) t-1,3-Dichloropropene	8.976	75	79868	47.150	ug/l	99
54) cis-1,3-Dichloropropene	8.366	75	78846	43.622	ug/l	98
55) 1,1,2-Trichloroethane	9.153	97	61302	51.351	ug/l	95
56) Ethyl methacrylate	9.116	69	97667	56.025	ug/l	97
57) 1,3-Dichloropropane	9.305	76	103024	52.393	ug/l	100
58) 2-Chloroethyl Vinyl ether	8.238	63	187982	214.439	ug/l	91
59) 2-Hexanone	9.427	43	400783	269.128	ug/l	99
60) Dibromochloromethane	9.519	129	62789	52.345	ug/l	99
61) 1,2-Dibromoethane	9.610	107	67365	52.196	ug/l	99
64) Tetrachloroethene	9.275	164	45403	53.789	ug/l	97
65) Chlorobenzene	10.079	112	135439	50.510	ug/l	100
66) 1,1,1,2-Tetrachloroethane	10.159	131	50324	55.574	ug/l	99
67) Ethyl Benzene	10.195	91	261440	54.342	ug/l	100
68) m/p-Xylenes	10.299	106	219225	121.123	ug/l	99
69) o-Xylene	10.640	106	103816	60.469	ug/l	98
70) Styrene	10.653	104	179414	62.004	ug/l	99
71) Bromoform	10.799	173	43887	59.008	ug/l #	99
73) Isopropylbenzene	10.963	105	295644	50.344	ug/l	100
74) N-amyl acetate	10.842	43	131606	47.209	ug/l	97
75) 1,1,2,2-Tetrachloroethane	11.213	83	98513	44.619	ug/l	100
76) 1,2,3-Trichloropropane	11.238	75	84351m	48.435	ug/l	
77) Bromobenzene	11.195	156	59631	44.020	ug/l	99
78) n-propylbenzene	11.305	91	350515	48.504	ug/l	98
79) 2-Chlorotoluene	11.366	91	208761	47.985	ug/l	99
80) 1,3,5-Trimethylbenzene	11.451	105	251540	49.828	ug/l	97
81) trans-1,4-Dichloro-2-b...	11.018	75	27781	50.281	ug/l	95
82) 4-Chlorotoluene	11.457	91	241699	48.405	ug/l	98
83) tert-Butylbenzene	11.713	119	232219	48.072	ug/l	99
84) 1,2,4-Trimethylbenzene	11.750	105	246542	48.943	ug/l	97
85) sec-Butylbenzene	11.890	105	311589	48.686	ug/l	100
86) p-Isopropyltoluene	12.006	119	252345	48.286	ug/l	99
87) 1,3-Dichlorobenzene	11.969	146	135869	49.718	ug/l	99
88) 1,4-Dichlorobenzene	12.043	146	140095	50.080	ug/l	100
89) n-Butylbenzene	12.335	91	242807	47.867	ug/l	96
90) Hexachloroethane	12.536	117	35897	42.594	ug/l	93
91) 1,2-Dichlorobenzene	12.335	146	129938	49.314	ug/l	99
92) 1,2-Dibromo-3-Chloropr...	12.945	75	25299	50.550	ug/l	91
93) 1,2,4-Trichlorobenzene	13.585	180	87021	52.833	ug/l	98
94) Hexachlorobutadiene	13.725	225	31091	47.920	ug/l	96
95) Naphthalene	13.774	128	307693	55.001	ug/l	100
96) 1,2,3-Trichlorobenzene	13.957	180	84545	51.914	ug/l	98

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

