

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX030424\
 Data File : VX040577.D
 Acq On : 04 Mar 2024 18:24
 Operator : JC/MD
 Sample : VSTDCCC050
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 19 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050EC

Manual Integrations
 APPROVED

Reviewed By : John Carlone 03/05/2024
 Supervised By : Mahesh Dadoda 03/05/2024

Quant Time: Mar 05 00:29:36 2024
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X022624W.M
 Quant Title : SW846 8260
 QLast Update : Tue Feb 27 05:01:33 2024
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	5.556	168	81619	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.763	114	135862	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	131811	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.024	152	64358	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.952	65	71187	52.147	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery = 104.300%			
35) Dibromofluoromethane	5.379	113	49054	51.921	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 103.840%			
50) Toluene-d8	8.647	98	168288	49.072	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery = 98.140%			
62) 4-Bromofluorobenzene	11.079	95	71618	54.785	ug/l	0.00
Spiked Amount 50.000	Range 64 - 133		Recovery = 109.560%			
Target Compounds					Qvalue	
2) Dichlorodifluoromethane	1.166	85	42837	42.173	ug/l	98
3) Chloromethane	1.294	50	41658	41.349	ug/l	98
4) Vinyl Chloride	1.374	62	46215	42.420	ug/l	99
5) Bromomethane	1.599	94	25174	41.579	ug/l	99
6) Chloroethane	1.678	64	28180	40.872	ug/l	97
7) Trichlorofluoromethane	1.886	101	70546	40.998	ug/l	98
8) Diethyl Ether	2.136	74	23900	39.737	ug/l	96
9) 1,1,2-Trichlorotrifluo...	2.325	101	41584	44.897	ug/l	99
10) Methyl Iodide	2.447	142	43079	45.223	ug/l	98
11) Tert butyl alcohol	2.965	59	63430	276.401	ug/l #	90
12) 1,1-Dichloroethene	2.319	96	38156	41.032	ug/l	100
13) Acrolein	2.233	56	34794	236.488	ug/l	100
14) Allyl chloride	2.660	41	70943	43.607	ug/l	92
15) Acrylonitrile	3.062	53	134375	233.435	ug/l	99
16) Acetone	2.380	43	126379	283.876	ug/l	99
17) Carbon Disulfide	2.508	76	87417	33.947	ug/l	99
18) Methyl Acetate	2.703	43	73391	53.472	ug/l	98
19) Methyl tert-butyl Ether	3.111	73	148363	46.775	ug/l	100
20) Methylene Chloride	2.788	84	45333	42.552	ug/l	98
21) trans-1,2-Dichloroethene	3.093	96	41401	41.747	ug/l	99
22) Diisopropyl ether	3.763	45	147859	45.227	ug/l	90
23) Vinyl Acetate	3.721	43	685637	228.947	ug/l	100
24) 1,1-Dichloroethane	3.611	63	84560	44.355	ug/l	99
25) 2-Butanone	4.550	43	202984	261.694	ug/l	99
26) 2,2-Dichloropropane	4.477	77	65799	43.349	ug/l	98
27) cis-1,2-Dichloroethene	4.489	96	49132	42.348	ug/l	98
28) Bromochloromethane	4.897	49	37834	47.442	ug/l	97
29) Tetrahydrofuran	5.001	42	128073	236.686	ug/l	97
30) Chloroform	5.092	83	93848	46.377	ug/l	96
31) Cyclohexane	5.470	56	63894	41.312	ug/l	92
32) 1,1,1-Trichloroethane	5.379	97	81224	47.027	ug/l	98
36) 1,1-Dichloropropene	5.696	75	63113	43.359	ug/l	99
37) Ethyl Acetate	4.714	43	75068	47.123	ug/l	98
38) Carbon Tetrachloride	5.678	117	65983	46.923	ug/l	99
39) Methylcyclohexane	7.379	83	67397	42.886	ug/l	97
40) Benzene	6.037	78	173073	43.917	ug/l	99

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	4.916	41	41643	46.799	ug/l	93
42) 1,2-Dichloroethane	6.086	62	81451	49.936	ug/l	97
43) Isopropyl Acetate	6.342	43	121973	48.796	ug/l	98
44) Trichloroethene	7.123	130	47289	44.618	ug/l	99
45) 1,2-Dichloropropane	7.427	63	47727	45.251	ug/l	99
46) Dibromomethane	7.580	93	36822	47.486	ug/l	98
47) Bromodichloromethane	7.824	83	73177	47.930	ug/l	99
48) Methyl methacrylate	7.690	41	63456	50.791	ug/l	93
49) 1,4-Dioxane	7.659	88	26891	1137.802	ug/l #	92
51) 4-Methyl-2-Pentanone	8.574	43	424433	256.817	ug/l	97
52) Toluene	8.720	92	111979	46.299	ug/l	95
53) t-1,3-Dichloropropene	8.976	75	75240	48.560	ug/l	100
54) cis-1,3-Dichloropropene	8.366	75	76716	46.063	ug/l	100
55) 1,1,2-Trichloroethane	9.153	97	49309	49.127	ug/l	94
56) Ethyl methacrylate	9.116	69	76415	49.240	ug/l #	92
57) 1,3-Dichloropropane	9.305	76	82547	47.218	ug/l	99
58) 2-Chloroethyl Vinyl ether	8.244	63	202163	248.452	ug/l	96
59) 2-Hexanone	9.427	43	336003	264.436	ug/l	97
60) Dibromochloromethane	9.518	129	54200	49.716	ug/l	100
61) 1,2-Dibromoethane	9.610	107	52374	47.819	ug/l	100
64) Tetrachloroethene	9.275	164	42877	46.334	ug/l	98
65) Chlorobenzene	10.079	112	124762	44.500	ug/l	100
66) 1,1,1,2-Tetrachloroethane	10.165	131	47226	47.797	ug/l	99
67) Ethyl Benzene	10.195	91	231977	45.201	ug/l	97
68) m/p-Xylenes	10.299	106	171866	89.679	ug/l	93
69) o-Xylene	10.640	106	84269	45.975	ug/l	95
70) Styrene	10.652	104	143260	46.884	ug/l	97
71) Bromoform	10.799	173	40980	50.668	ug/l #	98
73) Isopropylbenzene	10.963	105	230157	48.559	ug/l	99
74) N-amyl acetate	10.841	43	111669	50.729	ug/l	97
75) 1,1,2,2-Tetrachloroethane	11.213	83	76415	44.581	ug/l	99
76) 1,2,3-Trichloropropane	11.238	75	65972m	46.577	ug/l	
77) Bromobenzene	11.195	156	50355	44.931	ug/l	97
78) n-propylbenzene	11.305	91	259348	44.114	ug/l	98
79) 2-Chlorotoluene	11.366	91	149294	42.184	ug/l	100
80) 1,3,5-Trimethylbenzene	11.451	105	181438	45.012	ug/l	94
81) trans-1,4-Dichloro-2-b...	11.018	75	21801	46.726	ug/l	95
82) 4-Chlorotoluene	11.451	91	176724	43.181	ug/l	100
83) tert-Butylbenzene	11.713	119	172645	45.430	ug/l	96
84) 1,2,4-Trimethylbenzene	11.750	105	183234	45.816	ug/l	99
85) sec-Butylbenzene	11.890	105	230064	46.082	ug/l	99
86) p-Isopropyltoluene	12.006	119	183077	44.488	ug/l	98
87) 1,3-Dichlorobenzene	11.969	146	98552	44.117	ug/l	99
88) 1,4-Dichlorobenzene	12.042	146	97961	43.078	ug/l	100
89) n-Butylbenzene	12.329	91	175884	43.442	ug/l	97
90) Hexachloroethane	12.536	117	32209	47.027	ug/l	91
91) 1,2-Dichlorobenzene	12.335	146	94494	44.389	ug/l	99
92) 1,2-Dibromo-3-Chloropr...	12.939	75	19719	49.346	ug/l	99
93) 1,2,4-Trichlorobenzene	13.585	180	62051	44.664	ug/l	96
94) Hexachlorobutadiene	13.725	225	25127	44.254	ug/l	98
95) Naphthalene	13.774	128	203919	45.932	ug/l	100
96) 1,2,3-Trichlorobenzene	13.963	180	60565	45.861	ug/l	97

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

