

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX022124\
 Data File : VX040370.D
 Acq On : 21 Feb 2024 10:46
 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 02/22/2024
 Supervised By : Mahesh Dadoda 02/22/2024

Quant Time: Feb 22 01:03:21 2024
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X020924W.M
 Quant Title : SW846 8260
 QLast Update : Mon Feb 12 00:21:14 2024
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	5.543	168	86205	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.751	114	142300	50.000	ug/l	-0.01
63) Chlorobenzene-d5	10.049	117	134095	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.018	152	70302	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.946	65	65631	51.175	ug/l	-0.01
Spiked Amount 50.000	Range 78 - 117		Recovery = 102.360%			
35) Dibromofluoromethane	5.373	113	48395	48.700	ug/l	-0.01
Spiked Amount 50.000	Range 75 - 124		Recovery = 97.400%			
50) Toluene-d8	8.647	98	175512	47.215	ug/l	0.00
Spiked Amount 50.000	Range 92 - 112		Recovery = 94.420%			
62) 4-Bromofluorobenzene	11.079	95	70217	46.315	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery = 92.640%			
Target Compounds						
						Qvalue
2) Dichlorodifluoromethane	1.166	85	50895	52.266	ug/l	96
3) Chloromethane	1.294	50	48550	48.350	ug/l	97
4) Vinyl Chloride	1.374	62	50777	47.851	ug/l	99
5) Bromomethane	1.599	94	34156	57.039	ug/l	99
6) Chloroethane	1.684	64	32438	48.470	ug/l	93
7) Trichlorofluoromethane	1.886	101	83235	48.843	ug/l	98
8) Diethyl Ether	2.129	74	31664	49.463	ug/l	93
9) 1,1,2-Trichlorotrifluo...	2.331	101	48087	52.606	ug/l	98
10) Methyl Iodide	2.453	142	56333	55.509	ug/l	93
11) Tert butyl alcohol	2.953	59	59515	238.244	ug/l #	91
12) 1,1-Dichloroethene	2.318	96	44264	50.293	ug/l	96
13) Acrolein	2.233	56	54983	238.461	ug/l	100
14) Allyl chloride	2.660	41	84256	55.165	ug/l	96
15) Acrylonitrile	3.056	53	147455	263.813	ug/l	98
16) Acetone	2.373	43	152638	289.788	ug/l	94
17) Carbon Disulfide	2.507	76	98603	42.436	ug/l	99
18) Methyl Acetate	2.696	43	67580	47.861	ug/l	99
19) Methyl tert-butyl Ether	3.105	73	169766	54.752	ug/l	99
20) Methylene Chloride	2.788	84	52904	53.695	ug/l	96
21) trans-1,2-Dichloroethene	3.087	96	47346	47.234	ug/l	99
22) Diisopropyl ether	3.751	45	180164	58.163	ug/l	98
23) Vinyl Acetate	3.715	43	812605	294.277	ug/l	99
24) 1,1-Dichloroethane	3.605	63	99576	55.187	ug/l	99
25) 2-Butanone	4.544	43	212983	258.682	ug/l	98
26) 2,2-Dichloropropane	4.471	77	77948	56.119	ug/l	98
27) cis-1,2-Dichloroethene	4.483	96	58756	51.383	ug/l	98
28) Bromochloromethane	4.885	49	45813	59.802	ug/l	99
29) Tetrahydrofuran	4.989	42	132882	247.729	ug/l	99
30) Chloroform	5.086	83	105382	54.019	ug/l	96
31) Cyclohexane	5.458	56	73629	48.133	ug/l	99
32) 1,1,1-Trichloroethane	5.379	97	87142	53.098	ug/l	99
36) 1,1-Dichloropropene	5.690	75	70846	50.892	ug/l	98
37) Ethyl Acetate	4.702	43	81688	52.737	ug/l	99
38) Carbon Tetrachloride	5.665	117	70111	52.971	ug/l	100
39) Methylcyclohexane	7.379	83	77802	48.092	ug/l	96
40) Benzene	6.031	78	200292	51.451	ug/l	98

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 Quant Title : SW846 8260
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 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	4.909	41	45582	55.511	ug/l	95
42) 1,2-Dichloroethane	6.080	62	84801	55.731	ug/l	100
43) Isopropyl Acetate	6.330	43	135044	55.850	ug/l	99
44) Trichloroethene	7.116	130	52850	49.217	ug/l	98
45) 1,2-Dichloropropane	7.427	63	57538	56.786	ug/l	95
46) Dibromomethane	7.574	93	40749	54.606	ug/l	98
47) Bromodichloromethane	7.817	83	80530	56.006	ug/l	97
48) Methyl methacrylate	7.683	41	67149	54.273	ug/l	93
49) 1,4-Dioxane	7.647	88	22212	825.240	ug/l #	95
51) 4-Methyl-2-Pentanone	8.567	43	443088	268.397	ug/l	98
52) Toluene	8.714	92	126381	49.564	ug/l	94
53) t-1,3-Dichloropropene	8.976	75	86944	50.793	ug/l	99
54) cis-1,3-Dichloropropene	8.360	75	89926	55.804	ug/l	92
55) 1,1,2-Trichloroethane	9.147	97	55405	50.945	ug/l	92
56) Ethyl methacrylate	9.110	69	87720	53.878	ug/l	97
57) 1,3-Dichloropropane	9.305	76	96610	54.424	ug/l	98
58) 2-Chloroethyl Vinyl ether	8.238	63	191248	248.311	ug/l	96
59) 2-Hexanone	9.427	43	345913	264.280	ug/l	99
60) Dibromochloromethane	9.518	129	58511	52.807	ug/l	99
61) 1,2-Dibromoethane	9.604	107	58863	50.919	ug/l	99
64) Tetrachloroethene	9.268	164	44839	47.717	ug/l	98
65) Chlorobenzene	10.073	112	139946	50.005	ug/l	98
66) 1,1,1,2-Tetrachloroethane	10.159	131	52265	53.922	ug/l	99
67) Ethyl Benzene	10.189	91	261151	52.394	ug/l	97
68) m/p-Xylenes	10.299	106	193527	102.806	ug/l	97
69) o-Xylene	10.640	106	93632	51.184	ug/l	94
70) Styrene	10.652	104	160858	52.890	ug/l	99
71) Bromoform	10.799	173	43537	47.901	ug/l #	99
73) Isopropylbenzene	10.957	105	258865	52.279	ug/l	100
74) N-amyl acetate	10.841	43	125018	58.903	ug/l	96
75) 1,1,2,2-Tetrachloroethane	11.207	83	93943	52.808	ug/l	100
76) 1,2,3-Trichloropropane	11.238	75	78870m	55.400	ug/l	
77) Bromobenzene	11.195	156	61382	52.486	ug/l	98
78) n-propylbenzene	11.299	91	323564	53.974	ug/l	97
79) 2-Chlorotoluene	11.360	91	186468	51.511	ug/l	99
80) 1,3,5-Trimethylbenzene	11.451	105	221190	53.060	ug/l	96
81) trans-1,4-Dichloro-2-b...	11.018	75	24606	48.639	ug/l	99
82) 4-Chlorotoluene	11.451	91	221775	51.707	ug/l	100
83) tert-Butylbenzene	11.713	119	211959	51.862	ug/l	99
84) 1,2,4-Trimethylbenzene	11.750	105	221664	52.559	ug/l	99
85) sec-Butylbenzene	11.890	105	278910	53.102	ug/l	99
86) p-Isopropyltoluene	12.006	119	227273	52.787	ug/l	99
87) 1,3-Dichlorobenzene	11.969	146	119063	51.382	ug/l	99
88) 1,4-Dichlorobenzene	12.036	146	121412	49.480	ug/l	99
89) n-Butylbenzene	12.329	91	223738	53.834	ug/l	96
90) Hexachloroethane	12.536	117	37694	55.504	ug/l	94
91) 1,2-Dichlorobenzene	12.335	146	117115	52.208	ug/l	99
92) 1,2-Dibromo-3-Chloropr...	12.939	75	21132	51.468	ug/l	94
93) 1,2,4-Trichlorobenzene	13.585	180	77188	50.261	ug/l	98
94) Hexachlorobutadiene	13.725	225	31160	50.838	ug/l	98
95) Naphthalene	13.774	128	250013	51.544	ug/l	99
96) 1,2,3-Trichlorobenzene	13.963	180	75570	51.623	ug/l	97

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

