

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX022024\
 Data File : VX040368.D
 Acq On : 20 Feb 2024 19:36
 Operator : JC/MD
 Sample : VSTDCCC050
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 26 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050EC

Manual Integrations
 APPROVED

Reviewed By : John Carlone 02/21/2024
 Supervised By : Mahesh Dadoda 02/21/2024

Quant Time: Feb 21 01:18:42 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	5.550	168	70774	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.763	114	126338	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	116848	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.024	152	61749	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.952	65	56045	53.229	ug/l	0.00
Spiked Amount 50.000	Range 78 - 117		Recovery = 106.460%			
35) Dibromofluoromethane	5.379	113	42026	47.634	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 95.260%			
50) Toluene-d8	8.647	98	147874	44.806	ug/l	0.00
Spiked Amount 50.000	Range 92 - 112		Recovery = 89.620%#			
62) 4-Bromofluorobenzene	11.079	95	58659	43.580	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery = 87.160%			
Target Compounds					Qvalue	
2) Dichlorodifluoromethane	1.166	85	43187	54.020	ug/l	98
3) Chloromethane	1.294	50	44854	54.408	ug/l	99
4) Vinyl Chloride	1.374	62	45946	52.739	ug/l	99
5) Bromomethane	1.599	94	28388	57.743	ug/l	100
6) Chloroethane	1.679	64	27961	50.890	ug/l	98
7) Trichlorofluoromethane	1.886	101	73230	52.342	ug/l	97
8) Diethyl Ether	2.130	74	28174	53.607	ug/l	95
9) 1,1,2-Trichlorotrifluo...	2.325	101	40525	53.999	ug/l	99
10) Methyl Iodide	2.453	142	46842	56.221	ug/l	94
11) Tert butyl alcohol	2.959	59	63465	309.449	ug/l #	92
12) 1,1-Dichloroethene	2.319	96	39278	54.358	ug/l	94
13) Acrolein	2.233	56	52289	276.222	ug/l	99
14) Allyl chloride	2.660	41	74221	59.190	ug/l	97
15) Acrylonitrile	3.062	53	147695	321.856	ug/l	99
16) Acetone	2.380	43	130133	300.929	ug/l	98
17) Carbon Disulfide	2.508	76	83873	43.967	ug/l	98
18) Methyl Acetate	2.703	43	68340	58.952	ug/l	99
19) Methyl tert-butyl Ether	3.111	73	153476	60.290	ug/l	100
20) Methylene Chloride	2.788	84	47378	58.720	ug/l	97
21) trans-1,2-Dichloroethene	3.093	96	42491	51.633	ug/l	95
22) Diisopropyl ether	3.757	45	161985	63.696	ug/l	99
23) Vinyl Acetate	3.721	43	733279	323.449	ug/l	100
24) 1,1-Dichloroethane	3.611	63	88918	60.024	ug/l	99
25) 2-Butanone	4.556	43	208417	308.328	ug/l	96
26) 2,2-Dichloropropane	4.471	77	60688	53.219	ug/l	98
27) cis-1,2-Dichloroethene	4.489	96	52623	56.053	ug/l	96
28) Bromochloromethane	4.897	49	38620	61.405	ug/l	98
29) Tetrahydrofuran	5.001	42	139137	315.945	ug/l	99
30) Chloroform	5.093	83	94453	58.973	ug/l	94
31) Cyclohexane	5.471	56	63740	50.753	ug/l	97
32) 1,1,1-Trichloroethane	5.385	97	75704	56.186	ug/l	98
36) 1,1-Dichloropropene	5.690	75	61091	49.429	ug/l	99
37) Ethyl Acetate	4.708	43	79586	57.872	ug/l	99
38) Carbon Tetrachloride	5.678	117	59652	50.763	ug/l	97
39) Methylcyclohexane	7.379	83	66503	46.301	ug/l	98
40) Benzene	6.037	78	178953	51.778	ug/l	98

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	4.916	41	45093	61.854	ug/l	97
42) 1,2-Dichloroethane	6.086	62	77295	57.216	ug/l	99
43) Isopropyl Acetate	6.342	43	127584	59.431	ug/l	99
44) Trichloroethene	7.129	130	47456	49.778	ug/l	98
45) 1,2-Dichloropropane	7.434	63	50933	56.618	ug/l	100
46) Dibromomethane	7.580	93	36626	55.282	ug/l	99
47) Bromodichloromethane	7.824	83	71054	55.659	ug/l	99
48) Methyl methacrylate	7.690	41	64491	58.710	ug/l	96
49) 1,4-Dioxane	7.659	88	25489	1066.636	ug/l #	95
51) 4-Methyl-2-Pentanone	8.574	43	442197	301.700	ug/l	98
52) Toluene	8.720	92	112819	49.835	ug/l	93
53) t-1,3-Dichloropropene	8.976	75	72695	47.907	ug/l	98
54) cis-1,3-Dichloropropene	8.366	75	77176	53.943	ug/l	97
55) 1,1,2-Trichloroethane	9.153	97	52227	54.090	ug/l	97
56) Ethyl methacrylate	9.116	69	79723	55.153	ug/l	95
57) 1,3-Dichloropropane	9.305	76	87497	55.518	ug/l	99
58) 2-Chloroethyl Vinyl ether	8.238	63	185129	270.735	ug/l	95
59) 2-Hexanone	9.427	43	344141	296.145	ug/l	99
60) Dibromochloromethane	9.519	129	51897	52.755	ug/l	98
61) 1,2-Dibromoethane	9.610	107	53801	52.420	ug/l	98
64) Tetrachloroethene	9.275	164	41306	50.445	ug/l	98
65) Chlorobenzene	10.079	112	124406	51.014	ug/l	95
66) 1,1,1,2-Tetrachloroethane	10.165	131	46307	54.827	ug/l	100
67) Ethyl Benzene	10.195	91	228613	52.636	ug/l	99
68) m/p-Xylenes	10.299	106	169765	103.494	ug/l	97
69) o-Xylene	10.640	106	84495	53.007	ug/l	98
70) Styrene	10.653	104	143544	54.164	ug/l	98
71) Bromoform	10.799	173	37493	47.361	ug/l #	98
73) Isopropylbenzene	10.963	105	225287	51.800	ug/l	99
74) N-amyl acetate	10.842	43	114787	61.573	ug/l	97
75) 1,1,2,2-Tetrachloroethane	11.213	83	87505	56.002	ug/l	100
76) 1,2,3-Trichloropropane	11.238	75	72402m	57.901	ug/l	
77) Bromobenzene	11.195	156	53662	52.240	ug/l	99
78) n-propylbenzene	11.305	91	274078	52.052	ug/l	98
79) 2-Chlorotoluene	11.366	91	164477	51.730	ug/l	100
80) 1,3,5-Trimethylbenzene	11.451	105	194090	53.009	ug/l	96
81) trans-1,4-Dichloro-2-b...	11.018	75	20941	47.238	ug/l	98
82) 4-Chlorotoluene	11.451	91	193000	51.231	ug/l	100
83) tert-Butylbenzene	11.713	119	185192	51.589	ug/l	98
84) 1,2,4-Trimethylbenzene	11.750	105	193375	52.202	ug/l	100
85) sec-Butylbenzene	11.890	105	239977	52.018	ug/l	99
86) p-Isopropyltoluene	12.006	119	195280	51.639	ug/l	99
87) 1,3-Dichlorobenzene	11.969	146	103465	50.835	ug/l	98
88) 1,4-Dichlorobenzene	12.043	146	104803	48.628	ug/l	99
89) n-Butylbenzene	12.329	91	189361	51.873	ug/l	97
90) Hexachloroethane	12.536	117	31738	53.207	ug/l	96
91) 1,2-Dichlorobenzene	12.335	146	102317	51.929	ug/l	99
92) 1,2-Dibromo-3-Chloropr...	12.945	75	19767	54.812	ug/l	96
93) 1,2,4-Trichlorobenzene	13.585	180	67604	50.117	ug/l	96
94) Hexachlorobutadiene	13.725	225	24941	46.328	ug/l	99
95) Naphthalene	13.774	128	228789	53.702	ug/l	100
96) 1,2,3-Trichlorobenzene	13.963	180	65864	51.225	ug/l	98

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

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