

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX032724\
 Data File : VX040802.D
 Acq On : 27 Mar 2024 10:55
 Operator : JC/MD
 Sample : VSTDCCC050
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050

Manual Integrations
 APPROVED

Reviewed By : John Carlone 03/28/2024
 Supervised By : Mahesh Dadoda 03/28/2024

Quant Time: Mar 28 03:50:05 2024
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X032124W.M
 Quant Title : SW846 8260
 QLast Update : Fri Mar 22 02:44:48 2024
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	5.550	168	47964	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.757	114	79475	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	67730	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.018	152	36591	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.946	65	41772	51.795	ug/l	0.00
Spiked Amount 50.000	Range 78 - 117		Recovery = 103.580%			
35) Dibromofluoromethane	5.379	113	29109	48.949	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 97.900%			
50) Toluene-d8	8.647	98	101626	49.909	ug/l	0.00
Spiked Amount 50.000	Range 92 - 112		Recovery = 99.820%			
62) 4-Bromofluorobenzene	11.079	95	37856	47.056	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery = 94.120%			
Target Compounds					Qvalue	
2) Dichlorodifluoromethane	1.166	85	30242	48.723	ug/l	96
3) Chloromethane	1.301	50	27303	43.007	ug/l	95
4) Vinyl Chloride	1.374	62	29708	49.420	ug/l	99
5) Bromomethane	1.599	94	19429	47.945	ug/l	100
6) Chloroethane	1.685	64	17627	41.717	ug/l	92
7) Trichlorofluoromethane	1.886	101	48978	46.565	ug/l	99
8) Diethyl Ether	2.130	74	14781	43.719	ug/l	99
9) 1,1,2-Trichlorotrifluo...	2.325	101	28211	46.641	ug/l	100
10) Methyl Iodide	2.453	142	35860	44.779	ug/l	100
11) Tert butyl alcohol	2.953	59	42144	326.326	ug/l #	89
12) 1,1-Dichloroethene	2.319	96	25614	45.211	ug/l	96
13) Acrolein	2.233	56	24531	320.970	ug/l	99
14) Allyl chloride	2.660	41	46776	46.069	ug/l	89
15) Acrylonitrile	3.056	53	78293	245.573	ug/l	97
16) Acetone	2.374	43	80812	282.893	ug/l	97
17) Carbon Disulfide	2.514	76	66489	40.858	ug/l	99
18) Methyl Acetate	2.703	43	35123	45.876	ug/l	99
19) Methyl tert-butyl Ether	3.111	73	94583	48.371	ug/l	98
20) Methylene Chloride	2.788	84	28434	45.536	ug/l	96
21) trans-1,2-Dichloroethene	3.087	96	26533	44.364	ug/l	98
22) Diisopropyl ether	3.757	45	95258	48.079	ug/l	94
23) Vinyl Acetate	3.715	43	460128	245.690	ug/l	98
24) 1,1-Dichloroethane	3.605	63	53171	46.724	ug/l	99
25) 2-Butanone	4.550	43	116483	260.336	ug/l	99
26) 2,2-Dichloropropane	4.471	77	48578	48.926	ug/l	98
27) cis-1,2-Dichloroethene	4.483	96	32512	46.928	ug/l	99
28) Bromochloromethane	4.891	49	25359	48.723	ug/l	96
29) Tetrahydrofuran	4.995	42	75869	254.926	ug/l	98
30) Chloroform	5.086	83	59226	48.612	ug/l	97
31) Cyclohexane	5.471	56	42771	44.635	ug/l	94
32) 1,1,1-Trichloroethane	5.379	97	52283	49.927	ug/l	98
36) 1,1-Dichloropropene	5.690	75	39563	45.184	ug/l	99
37) Ethyl Acetate	4.708	43	46738	47.007	ug/l	98
38) Carbon Tetrachloride	5.672	117	45294	45.959	ug/l	96
39) Methylcyclohexane	7.379	83	45940	47.359	ug/l	100
40) Benzene	6.037	78	110507	45.705	ug/l	98

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	4.916	41	25971	50.513	ug/l	97
42) 1,2-Dichloroethane	6.080	62	48406	49.476	ug/l	97
43) Isopropyl Acetate	6.330	43	78003	49.960	ug/l	98
44) Trichloroethene	7.123	130	27640	47.695	ug/l	92
45) 1,2-Dichloropropane	7.428	63	28456	50.164	ug/l	100
46) Dibromomethane	7.574	93	22582	50.263	ug/l	99
47) Bromodichloromethane	7.818	83	46054	50.167	ug/l	96
48) Methyl methacrylate	7.690	41	38720	54.259	ug/l	96
49) 1,4-Dioxane	7.653	88	12258	1017.809	ug/l #	96
51) 4-Methyl-2-Pentanone	8.568	43	250841	259.064	ug/l	95
52) Toluene	8.714	92	69671	48.317	ug/l	95
53) t-1,3-Dichloropropene	8.976	75	44605	46.970	ug/l	96
54) cis-1,3-Dichloropropene	8.366	75	48561	49.444	ug/l	96
55) 1,1,2-Trichloroethane	9.147	97	27195	46.312	ug/l	90
56) Ethyl methacrylate	9.116	69	47254	48.143	ug/l #	91
57) 1,3-Dichloropropane	9.305	76	46383	46.288	ug/l	100
58) 2-Chloroethyl Vinyl ether	8.238	63	127716	247.929	ug/l	96
59) 2-Hexanone	9.427	43	191326	255.079	ug/l	95
60) Dibromochloromethane	9.519	129	33564	48.641	ug/l	99
61) 1,2-Dibromoethane	9.604	107	28668	46.232	ug/l	98
64) Tetrachloroethene	9.275	164	23424	46.430	ug/l	96
65) Chlorobenzene	10.079	112	73892	48.102	ug/l	100
66) 1,1,1,2-Tetrachloroethane	10.159	131	26185	50.091	ug/l	98
67) Ethyl Benzene	10.189	91	132600	48.199	ug/l	97
68) m/p-Xylenes	10.299	106	98669	97.959	ug/l	93
69) o-Xylene	10.640	106	46123	47.666	ug/l	92
70) Styrene	10.653	104	80697	49.818	ug/l	97
71) Bromoform	10.799	173	21975	51.469	ug/l #	99
73) Isopropylbenzene	10.957	105	126766	45.658	ug/l	100
74) N-amyl acetate	10.842	43	65596	47.986	ug/l	96
75) 1,1,2,2-Tetrachloroethane	11.213	83	42590	45.313	ug/l	99
76) 1,2,3-Trichloropropane	11.238	75	37361m	47.474	ug/l	
77) Bromobenzene	11.195	156	30675	45.645	ug/l	96
78) n-propylbenzene	11.305	91	158424	46.278	ug/l	98
79) 2-Chlorotoluene	11.366	91	94438	47.809	ug/l	100
80) 1,3,5-Trimethylbenzene	11.451	105	109742	47.150	ug/l	96
81) trans-1,4-Dichloro-2-b...	11.018	75	14611	46.968	ug/l	96
82) 4-Chlorotoluene	11.451	91	111111	44.847	ug/l	98
83) tert-Butylbenzene	11.713	119	108732	46.577	ug/l	97
84) 1,2,4-Trimethylbenzene	11.750	105	110946	47.361	ug/l	99
85) sec-Butylbenzene	11.890	105	138919	46.796	ug/l	99
86) p-Isopropyltoluene	12.006	119	118569	48.167	ug/l	99
87) 1,3-Dichlorobenzene	11.969	146	60715	47.310	ug/l	98
88) 1,4-Dichlorobenzene	12.043	146	62158	45.606	ug/l	99
89) n-Butylbenzene	12.329	91	119572	48.170	ug/l	95
90) Hexachloroethane	12.536	117	21441	50.022	ug/l	95
91) 1,2-Dichlorobenzene	12.335	146	58246	46.196	ug/l	100
92) 1,2-Dibromo-3-Chloropr...	12.939	75	10949	46.654	ug/l	97
93) 1,2,4-Trichlorobenzene	13.585	180	41448	46.254	ug/l	97
94) Hexachlorobutadiene	13.725	225	16523	46.780	ug/l	98
95) Naphthalene	13.774	128	136149	48.024	ug/l	100
96) 1,2,3-Trichlorobenzene	13.963	180	40188	45.647	ug/l	99

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

