

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX032124\
 Data File : VX040745.D
 Acq On : 21 Mar 2024 16:11
 Operator : JC/MD
 Sample : VSTDCCC050
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 12 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050

Manual Integrations
 APPROVED

Reviewed By : John Carlone 03/25/2024
 Supervised By : Mahesh Dadoda 03/25/2024

Quant Time: Mar 22 02:55:30 2024
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X032124W.M
 Quant Title : SW846 8260
 QLast Update : Fri Mar 22 02:41:46 2024
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	5.550	168	51631	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.757	114	83111	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.049	117	76534	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.018	152	38899	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.952	65	41423	47.714	ug/l	0.00
Spiked Amount 50.000	Range 78 - 117		Recovery =	95.420%		
35) Dibromofluoromethane	5.385	113	28573	45.946	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery =	91.900%		
50) Toluene-d8	8.647	98	101704	47.762	ug/l	0.00
Spiked Amount 50.000	Range 92 - 112		Recovery =	95.520%		
62) 4-Bromofluorobenzene	11.079	95	35261	41.913	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery =	83.820%		
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.167	85	33304	49.845	ug/l	95
3) Chloromethane	1.295	50	29621	43.344	ug/l	100
4) Vinyl Chloride	1.374	62	30971	47.861	ug/l	98
5) Bromomethane	1.599	94	22585	51.775	ug/l	97
6) Chloroethane	1.685	64	20959	46.080	ug/l	99
7) Trichlorofluoromethane	1.886	101	59583	52.624	ug/l	97
8) Diethyl Ether	2.130	74	17223	47.323	ug/l	96
9) 1,1,2-Trichlorotrifluo...	2.331	101	32062	49.243	ug/l	99
10) Methyl Iodide	2.453	142	43248	50.169	ug/l	99
11) Tert butyl alcohol	2.947	59	38318	275.628	ug/l #	91
12) 1,1-Dichloroethene	2.319	96	29467	48.318	ug/l	95
13) Acrolein	2.233	56	21425	260.420	ug/l	99
14) Allyl chloride	2.666	41	53198	48.673	ug/l	90
15) Acrylonitrile	3.056	53	86555	252.205	ug/l	98
16) Acetone	2.374	43	78766	256.147	ug/l	100
17) Carbon Disulfide	2.514	76	80368	45.879	ug/l	99
18) Methyl Acetate	2.703	43	37909	45.999	ug/l	97
19) Methyl tert-butyl Ether	3.111	73	104887	49.831	ug/l	100
20) Methylene Chloride	2.788	84	32175	47.867	ug/l	96
21) trans-1,2-Dichloroethene	3.093	96	30136	46.809	ug/l	96
22) Diisopropyl ether	3.758	45	104701	49.092	ug/l	93
23) Vinyl Acetate	3.715	43	507540	251.759	ug/l	99
24) 1,1-Dichloroethane	3.605	63	59118	48.260	ug/l	99
25) 2-Butanone	4.550	43	125050	259.634	ug/l	98
26) 2,2-Dichloropropane	4.471	77	53467	50.025	ug/l	98
27) cis-1,2-Dichloroethene	4.483	96	35581	47.710	ug/l	97
28) Bromochloromethane	4.891	49	27733	49.499	ug/l	96
29) Tetrahydrofuran	4.995	42	83094	259.372	ug/l	99
30) Chloroform	5.087	83	64201	48.953	ug/l	97
31) Cyclohexane	5.465	56	49599	48.085	ug/l	96
32) 1,1,1-Trichloroethane	5.379	97	57902	51.365	ug/l	98
36) 1,1-Dichloropropene	5.690	75	44328	48.412	ug/l	99
37) Ethyl Acetate	4.702	43	51629	49.655	ug/l	98
38) Carbon Tetrachloride	5.672	117	50681	49.175	ug/l	99
39) Methylcyclohexane	7.379	83	49229	48.529	ug/l	99
40) Benzene	6.038	78	123601	48.885	ug/l	98

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	4.916	41	28836	53.631	ug/l	97
42) 1,2-Dichloroethane	6.080	62	52965	51.767	ug/l	97
43) Isopropyl Acetate	6.330	43	85248	52.211	ug/l	97
44) Trichloroethene	7.123	130	29255	48.273	ug/l	98
45) 1,2-Dichloropropane	7.428	63	28757	48.476	ug/l	100
46) Dibromomethane	7.574	93	22243	47.343	ug/l	98
47) Bromodichloromethane	7.818	83	43741	45.563	ug/l	98
48) Methyl methacrylate	7.690	41	36285	48.623	ug/l	92
49) 1,4-Dioxane	7.653	88	13514	1073.007	ug/l #	97
51) 4-Methyl-2-Pentanone	8.568	43	268146	264.821	ug/l	97
52) Toluene	8.714	92	79423	52.670	ug/l	96
53) t-1,3-Dichloropropene	8.976	75	53550	53.922	ug/l	99
54) cis-1,3-Dichloropropene	8.360	75	50473	49.142	ug/l	99
55) 1,1,2-Trichloroethane	9.147	97	31226	50.850	ug/l	95
56) Ethyl methacrylate	9.110	69	55672	54.238	ug/l #	93
57) 1,3-Dichloropropane	9.305	76	53722	51.266	ug/l	100
58) 2-Chloroethyl Vinyl ether	8.238	63	128786	239.069	ug/l	96
59) 2-Hexanone	9.427	43	216125	275.536	ug/l	96
60) Dibromochloromethane	9.519	129	37604	52.111	ug/l	99
61) 1,2-Dibromoethane	9.604	107	34003	52.436	ug/l	99
64) Tetrachloroethene	9.269	164	27603	48.420	ug/l	98
65) Chlorobenzene	10.073	112	87409	50.355	ug/l	97
66) 1,1,1,2-Tetrachloroethane	10.159	131	29175	49.391	ug/l	99
67) Ethyl Benzene	10.189	91	152382	49.017	ug/l	97
68) m/p-Xylenes	10.299	106	109206	95.948	ug/l	93
69) o-Xylene	10.640	106	52474	47.991	ug/l	93
70) Styrene	10.653	104	90930	49.678	ug/l	97
71) Bromoform	10.799	173	23275	48.243	ug/l #	98
73) Isopropylbenzene	10.957	105	142022	48.118	ug/l	99
74) N-amyl acetate	10.842	43	74978	51.595	ug/l	94
75) 1,1,2,2-Tetrachloroethane	11.207	83	46596	46.633	ug/l	98
76) 1,2,3-Trichloropropane	11.238	75	42561m	50.873	ug/l	
77) Bromobenzene	11.195	156	32929	46.092	ug/l	97
78) n-propylbenzene	11.305	91	176035	48.371	ug/l	99
79) 2-Chlorotoluene	11.360	91	102804	48.957	ug/l	100
80) 1,3,5-Trimethylbenzene	11.451	105	117571	47.516	ug/l	97
81) trans-1,4-Dichloro-2-b...	11.018	75	16059	48.560	ug/l #	90
82) 4-Chlorotoluene	11.451	91	119819	45.493	ug/l	99
83) tert-Butylbenzene	11.713	119	120931	48.729	ug/l	97
84) 1,2,4-Trimethylbenzene	11.750	105	120981	48.581	ug/l	100
85) sec-Butylbenzene	11.890	105	155513	49.278	ug/l	99
86) p-Isopropyltoluene	12.006	119	133279	50.930	ug/l	99
87) 1,3-Dichlorobenzene	11.969	146	64977	47.627	ug/l	99
88) 1,4-Dichlorobenzene	12.037	146	68893	47.549	ug/l	99
89) n-Butylbenzene	12.329	91	133100	50.438	ug/l	97
90) Hexachloroethane	12.536	117	23298	51.129	ug/l	91
91) 1,2-Dichlorobenzene	12.335	146	65271	48.696	ug/l	100
92) 1,2-Dibromo-3-Chloropr...	12.939	75	12213	48.953	ug/l	97
93) 1,2,4-Trichlorobenzene	13.585	180	46434	48.744	ug/l	98
94) Hexachlorobutadiene	13.725	225	18479	49.214	ug/l	97
95) Naphthalene	13.774	128	154370	51.221	ug/l	100
96) 1,2,3-Trichlorobenzene	13.963	180	45541	48.658	ug/l	98

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

