

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX062723\
 Data File : VX036354.D
 Acq On : 27 Jun 2023 17:14
 Operator : JC/MD
 Sample : VSTDCCC050
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 16 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050EC

Manual Integrations
 APPROVED

Reviewed By : John Carlone 06/28/2023
 Supervised By : Mahesh Dadoda 06/28/2023

Quant Time: Jun 28 04:22:25 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X062323W.M
 Quant Title : SW846 8260
 QLast Update : Fri Jun 23 15:03:28 2023
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	5.550	168	228019	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.757	114	392279	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	355324	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.018	152	171607	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.952	65	164969	50.472	ug/l	0.00
Spiked Amount 50.000	Range 78 - 117		Recovery = 100.940%			
35) Dibromofluoromethane	5.385	113	130997	50.645	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 101.280%			
50) Toluene-d8	8.647	98	461283	47.748	ug/l	0.00
Spiked Amount 50.000	Range 92 - 112		Recovery = 95.500%			
62) 4-Bromofluorobenzene	11.079	95	169736	49.880	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery = 99.760%			
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.167	85	89368	41.398	ug/l	100
3) Chloromethane	1.295	50	140195	37.437	ug/l	98
4) Vinyl Chloride	1.374	62	150690	36.807	ug/l	100
5) Bromomethane	1.618	94	138374	46.191	ug/l	99
6) Chloroethane	1.691	64	106031	35.278	ug/l	100
7) Trichlorofluoromethane	1.886	101	259562	41.701	ug/l	99
8) Diethyl Ether	2.130	74	104922	43.667	ug/l	89
9) 1,1,2-Trichlorotrifluo...	2.331	101	114379	43.785	ug/l	96
10) Methyl Iodide	2.453	142	143957	45.480	ug/l	93
11) Tert butyl alcohol	3.087	59	155442	261.265	ug/l #	78
12) 1,1-Dichloroethene	2.319	96	111314	42.956	ug/l	91
13) Acrolein	2.246	56	191958	234.928	ug/l	100
14) Allyl chloride	2.660	41	201442	47.834	ug/l	97
15) Acrylonitrile	3.075	53	360571	239.098	ug/l	99
16) Acetone	2.404	43	339838	243.255	ug/l	94
17) Carbon Disulfide	2.514	76	245619	38.593	ug/l	98
18) Methyl Acetate	2.709	43	286388	49.850	ug/l	97
19) Methyl tert-butyl Ether	3.111	73	429877	51.331	ug/l	97
20) Methylene Chloride	2.788	84	134608	44.750	ug/l	96
21) trans-1,2-Dichloroethene	3.093	96	118600	42.889	ug/l	92
22) Diisopropyl ether	3.758	45	422461	50.063	ug/l	95
23) Vinyl Acetate	3.721	43	1582128	258.353	ug/l	97
24) 1,1-Dichloroethane	3.611	63	238498	47.957	ug/l	100
25) 2-Butanone	4.574	43	502445	250.312	ug/l	96
26) 2,2-Dichloropropane	4.477	77	191919	54.412	ug/l	97
27) cis-1,2-Dichloroethene	4.483	96	148478	47.877	ug/l	94
28) Bromochloromethane	4.898	49	125467	48.645	ug/l	89
29) Tetrahydrofuran	5.019	42	311332	243.617	ug/l	95
30) Chloroform	5.093	83	245202	48.952	ug/l	95
31) Cyclohexane	5.471	56	174484	41.658	ug/l	97
32) 1,1,1-Trichloroethane	5.385	97	203323	48.594	ug/l	99
36) 1,1-Dichloropropene	5.690	75	169931	44.074	ug/l	98
37) Ethyl Acetate	4.721	43	198220	50.441	ug/l	99
38) Carbon Tetrachloride	5.672	117	165657	47.042	ug/l	97
39) Methylcyclohexane	7.379	83	185343	40.134	ug/l	95
40) Benzene	6.038	78	514324	47.752	ug/l	100

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	4.922	41	107644	49.378	ug/l	94
42) 1,2-Dichloroethane	6.086	62	205382	50.134	ug/l	99
43) Isopropyl Acetate	6.336	43	324978	51.839	ug/l	97
44) Trichloroethene	7.123	130	136398	45.530	ug/l	99
45) 1,2-Dichloropropane	7.428	63	143107	48.785	ug/l	100
46) Dibromomethane	7.580	93	102178	49.484	ug/l	94
47) Bromodichloromethane	7.818	83	186228	49.873	ug/l	99
48) Methyl methacrylate	7.690	41	160551	51.365	ug/l	94
49) 1,4-Dioxane	7.751	88	68040	981.919	ug/l #	93
51) 4-Methyl-2-Pentanone	8.574	43	995723	246.535	ug/l	98
52) Toluene	8.720	92	312978	45.852	ug/l	95
53) t-1,3-Dichloropropene	8.976	75	207384	54.981	ug/l	99
54) cis-1,3-Dichloropropene	8.366	75	225737	52.941	ug/l	93
55) 1,1,2-Trichloroethane	9.153	97	138155	48.701	ug/l	95
56) Ethyl methacrylate	9.116	69	221398	52.179	ug/l	95
57) 1,3-Dichloropropane	9.305	76	234152	48.163	ug/l	100
58) 2-Chloroethyl Vinyl ether	8.238	63	609167	255.463	ug/l	99
59) 2-Hexanone	9.433	43	754872	255.941	ug/l	97
60) Dibromochloromethane	9.519	129	139467	50.601	ug/l	99
61) 1,2-Dibromoethane	9.610	107	145212	48.235	ug/l	99
64) Tetrachloroethene	9.275	164	117200	46.714	ug/l	95
65) Chlorobenzene	10.080	112	353414	47.315	ug/l	97
66) 1,1,1,2-Tetrachloroethane	10.159	131	131282	51.998	ug/l	98
67) Ethyl Benzene	10.195	91	615177	46.327	ug/l	98
68) m/p-Xylenes	10.299	106	474507	91.973	ug/l	96
69) o-Xylene	10.640	106	235594	47.288	ug/l	97
70) Styrene	10.653	104	391995	48.054	ug/l	98
71) Bromoform	10.799	173	96143	53.091	ug/l #	99
73) Isopropylbenzene	10.964	105	590231	45.640	ug/l	98
74) N-amyl acetate	10.842	43	278378	54.420	ug/l	99
75) 1,1,2,2-Tetrachloroethane	11.213	83	210451	48.055	ug/l	98
76) 1,2,3-Trichloropropane	11.238	75	178681m	48.814	ug/l	
77) Bromobenzene	11.195	156	151065	47.505	ug/l	91
78) n-propylbenzene	11.305	91	675217	44.706	ug/l	98
79) 2-Chlorotoluene	11.366	91	409324	45.558	ug/l	97
80) 1,3,5-Trimethylbenzene	11.451	105	498278	45.496	ug/l	100
81) trans-1,4-Dichloro-2-b...	11.018	75	62919	56.032	ug/l	92
82) 4-Chlorotoluene	11.451	91	478149	45.712	ug/l	96
83) tert-Butylbenzene	11.713	119	466769	44.470	ug/l	98
84) 1,2,4-Trimethylbenzene	11.750	105	501631	46.296	ug/l	97
85) sec-Butylbenzene	11.890	105	571318	42.966	ug/l	99
86) p-Isopropyltoluene	12.006	119	487931	43.724	ug/l	97
87) 1,3-Dichlorobenzene	11.969	146	274280	46.913	ug/l	98
88) 1,4-Dichlorobenzene	12.043	146	274048	46.033	ug/l	98
89) n-Butylbenzene	12.329	91	426579	42.953	ug/l	98
90) Hexachloroethane	12.536	117	74753	44.228	ug/l	87
91) 1,2-Dichlorobenzene	12.335	146	274477	47.678	ug/l	98
92) 1,2-Dibromo-3-Chloropr...	12.939	75	45109	54.228	ug/l	84
93) 1,2,4-Trichlorobenzene	13.585	180	172778	48.726	ug/l	97
94) Hexachlorobutadiene	13.725	225	61302	42.212	ug/l	98
95) Naphthalene	13.774	128	611954	52.239	ug/l	100
96) 1,2,3-Trichlorobenzene	13.963	180	168857	48.818	ug/l	98

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

