

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX051523\
 Data File : VX035677.D
 Acq On : 15 May 2023 19:51
 Operator : JC/MD
 Sample : VSTDCCC050
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 27 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050EC

Manual Integrations
 APPROVED

Reviewed By : John Carlone 05/16/2023
 Supervised By : Mahesh Dadoda 05/16/2023

Quant Time: May 16 05:05:38 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X051123W.M
 Quant Title : SW846 8260
 QLast Update : Thu May 11 13:57:54 2023
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	5.556	168	156258	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.763	114	323841	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	297368	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.024	152	135737	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.952	65	169542	62.195	ug/l	0.00
Spiked Amount 50.000	Range 78 - 117		Recovery = 124.380%#			
35) Dibromofluoromethane	5.385	113	111005	50.827	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 101.660%			
50) Toluene-d8	8.647	98	388462	48.148	ug/l	0.00
Spiked Amount 50.000	Range 92 - 112		Recovery = 96.300%			
62) 4-Bromofluorobenzene	11.079	95	162617	50.058	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery = 100.120%			
Target Compounds					Qvalue	
2) Dichlorodifluoromethane	1.166	85	70359	34.550	ug/l	98
3) Chloromethane	1.294	50	116125	46.989	ug/l	98
4) Vinyl Chloride	1.374	62	98573	47.000	ug/l	95
5) Bromomethane	1.618	94	69274	60.987	ug/l	96
6) Chloroethane	1.691	64	68530	53.861	ug/l	98
7) Trichlorofluoromethane	1.886	101	118836	38.535	ug/l	99
8) Diethyl Ether	2.130	74	74955	63.127	ug/l	97
9) 1,1,2-Trichlorotrifluo...	2.331	101	65836	35.958	ug/l	95
10) Methyl Iodide	2.453	142	105966	64.711	ug/l	93
11) Tert butyl alcohol	3.026	59	157834	328.181	ug/l #	84
12) 1,1-Dichloroethene	2.319	96	81799	47.007	ug/l	88
13) Acrolein	2.239	56	158833	278.258	ug/l	100
14) Allyl chloride	2.666	41	204949	54.976	ug/l	94
15) Acrylonitrile	3.075	53	358981	338.971	ug/l	98
16) Acetone	2.398	43	345737	295.094	ug/l	92
17) Carbon Disulfide	2.514	76	191223	45.533	ug/l	99
18) Methyl Acetate	2.709	43	294043	68.051	ug/l	98
19) Methyl tert-butyl Ether	3.111	73	433397	62.588	ug/l	100
20) Methylene Chloride	2.788	84	125195	58.960	ug/l	96
21) trans-1,2-Dichloroethene	3.093	96	101798	53.388	ug/l	91
22) Diisopropyl ether	3.757	45	440732	60.382	ug/l	99
23) Vinyl Acetate	3.721	43	1666085	322.596	ug/l	97
24) 1,1-Dichloroethane	3.611	63	223726	57.311	ug/l	98
25) 2-Butanone	4.568	43	535455	330.144	ug/l	99
26) 2,2-Dichloropropane	4.477	77	151235	45.749	ug/l	97
27) cis-1,2-Dichloroethene	4.489	96	133598	58.284	ug/l	96
28) Bromochloromethane	4.897	49	112377	64.001	ug/l	95
29) Tetrahydrofuran	5.013	42	341252	334.754	ug/l	98
30) Chloroform	5.093	83	237350	59.335	ug/l	96
31) Cyclohexane	5.471	56	123683	35.912	ug/l	95
32) 1,1,1-Trichloroethane	5.385	97	179420	51.550	ug/l	98
36) 1,1-Dichloropropene	5.690	75	142927	41.460	ug/l	97
37) Ethyl Acetate	4.715	43	206810	57.517	ug/l	100
38) Carbon Tetrachloride	5.678	117	131485	40.264	ug/l	99
39) Methylcyclohexane	7.379	83	113020	27.852	ug/l	95
40) Benzene	6.037	78	470555	48.793	ug/l	100

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41) Methacrylonitrile	4.922	41	121140	56.743	ug/l	96
42) 1,2-Dichloroethane	6.086	62	221455	53.382	ug/l	97
43) Isopropyl Acetate	6.342	43	351844	56.115	ug/l	99
44) Trichloroethene	7.123	130	112498	46.005	ug/l	92
45) 1,2-Dichloropropane	7.427	63	132259	51.782	ug/l	99
46) Dibromomethane	7.580	93	94934	54.299	ug/l	94
47) Bromodichloromethane	7.824	83	178537	52.833	ug/l	98
48) Methyl methacrylate	7.690	41	173927	56.208	ug/l	96
49) 1,4-Dioxane	7.726	88	67765	1091.159	ug/l #	78
51) 4-Methyl-2-Pentanone	8.574	43	1055984	292.338	ug/l	99
52) Toluene	8.720	92	289205	47.507	ug/l	99
53) t-1,3-Dichloropropene	8.976	75	199276	54.278	ug/l	99
54) cis-1,3-Dichloropropene	8.366	75	209453	53.247	ug/l	96
55) 1,1,2-Trichloroethane	9.153	97	129463	54.146	ug/l	98
56) Ethyl methacrylate	9.116	69	214791	55.472	ug/l	96
57) 1,3-Dichloropropane	9.305	76	232807	53.711	ug/l	99
58) 2-Chloroethyl Vinyl ether	8.238	63	555071	281.795	ug/l	99
59) 2-Hexanone	9.433	43	797897	293.308	ug/l	99
60) Dibromochloromethane	9.519	129	126645	55.567	ug/l	99
61) 1,2-Dibromoethane	9.610	107	136566	54.211	ug/l	100
64) Tetrachloroethene	9.275	164	78345	39.133	ug/l	94
65) Chlorobenzene	10.079	112	309973	47.753	ug/l	98
66) 1,1,1,2-Tetrachloroethane	10.165	131	115583	50.357	ug/l	98
67) Ethyl Benzene	10.195	91	552786	45.280	ug/l	96
68) m/p-Xylenes	10.299	106	405485	89.856	ug/l	94
69) o-Xylene	10.640	106	208895	46.650	ug/l	94
70) Styrene	10.653	104	357725	49.568	ug/l	98
71) Bromoform	10.799	173	80892	53.564	ug/l	99
73) Isopropylbenzene	10.963	105	504198	44.081	ug/l	99
74) N-amyl acetate	10.841	43	290305	54.436	ug/l	99
75) 1,1,2,2-Tetrachloroethane	11.213	83	203210	54.768	ug/l	100
76) 1,2,3-Trichloropropane	11.238	75	174874m	52.670	ug/l	
77) Bromobenzene	11.195	156	128173	49.372	ug/l	92
78) n-propylbenzene	11.305	91	583784	43.419	ug/l	98
79) 2-Chlorotoluene	11.366	91	391359	46.491	ug/l	97
80) 1,3,5-Trimethylbenzene	11.451	105	436643	44.916	ug/l	98
81) trans-1,4-Dichloro-2-b...	11.018	75	56371	54.719	ug/l	90
82) 4-Chlorotoluene	11.451	91	457251	47.166	ug/l	97
83) tert-Butylbenzene	11.713	119	402878	42.634	ug/l	97
84) 1,2,4-Trimethylbenzene	11.750	105	453300	46.439	ug/l	97
85) sec-Butylbenzene	11.890	105	467563	39.408	ug/l	98
86) p-Isopropyltoluene	12.006	119	405978	41.621	ug/l	98
87) 1,3-Dichlorobenzene	11.969	146	233619	47.371	ug/l	98
88) 1,4-Dichlorobenzene	12.043	146	234777	47.144	ug/l	97
89) n-Butylbenzene	12.329	91	345913	38.984	ug/l	97
90) Hexachloroethane	12.536	117	65384	44.226	ug/l	92
91) 1,2-Dichlorobenzene	12.335	146	234292	48.514	ug/l	97
92) 1,2-Dibromo-3-Chloropr...	12.939	75	48462	58.655	ug/l	89
93) 1,2,4-Trichlorobenzene	13.585	180	136863	47.066	ug/l	99
94) Hexachlorobutadiene	13.725	225	37683	32.649	ug/l	99
95) Naphthalene	13.774	128	529909	53.213	ug/l	100
96) 1,2,3-Trichlorobenzene	13.963	180	132997	46.504	ug/l	99

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

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