

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX061323\
 Data File : VX036131.D
 Acq On : 13 Jun 2023 08:58
 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 06/14/2023
 Supervised By : Mahesh Dadoda 06/14/2023

Quant Time: Jun 14 00:47:17 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X053123W.M
 Quant Title : SW846 8260
 QLast Update : Wed May 31 12:50:30 2023
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	5.544	168	183125	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.757	114	319167	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.049	117	300314	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.018	152	149154	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.952	65	159978	53.798	ug/l	0.00
Spiked Amount 50.000	Range 78 - 117		Recovery = 107.600%			
35) Dibromofluoromethane	5.379	113	111911	52.132	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 104.260%			
50) Toluene-d8	8.647	98	392276	50.916	ug/l	0.00
Spiked Amount 50.000	Range 92 - 112		Recovery = 101.840%			
62) 4-Bromofluorobenzene	11.079	95	171198	56.290	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery = 112.580%			
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.166	85	98582	49.271	ug/l	100
3) Chloromethane	1.294	50	100621	43.999	ug/l	100
4) Vinyl Chloride	1.374	62	97493	45.384	ug/l	99
5) Bromomethane	1.617	94	60473	42.742	ug/l	100
6) Chloroethane	1.691	64	63844	50.473	ug/l	99
7) Trichlorofluoromethane	1.886	101	151899	50.251	ug/l	99
8) Diethyl Ether	2.130	74	64188	48.895	ug/l	98
9) 1,1,2-Trichlorotrifluo...	2.331	101	98900	52.716	ug/l	99
10) Methyl Iodide	2.453	142	99324	44.975	ug/l	97
11) Tert butyl alcohol	3.087	59	123029m	232.964	ug/l	
12) 1,1-Dichloroethene	2.319	96	89228	48.568	ug/l	99
13) Acrolein	2.245	56	112865	221.872	ug/l	99
14) Allyl chloride	2.666	41	183850	48.681	ug/l	99
15) Acrylonitrile	3.068	53	313325	252.521	ug/l	99
16) Acetone	2.404	43	358299	292.056	ug/l	99
17) Carbon Disulfide	2.514	76	190980	41.486	ug/l	97
18) Methyl Acetate	2.709	43	253676	53.188	ug/l	100
19) Methyl tert-butyl Ether	3.111	73	376202	52.275	ug/l	100
20) Methylene Chloride	2.788	84	110038	46.563	ug/l	99
21) trans-1,2-Dichloroethene	3.087	96	96593	45.994	ug/l	94
22) Diisopropyl ether	3.751	45	386664	52.638	ug/l #	86
23) Vinyl Acetate	3.721	43	1377378	266.883	ug/l	99
24) 1,1-Dichloroethane	3.605	63	208691	51.222	ug/l	99
25) 2-Butanone	4.568	43	467848	266.442	ug/l	99
26) 2,2-Dichloropropane	4.471	77	177545	57.170	ug/l	99
27) cis-1,2-Dichloroethene	4.483	96	119721	47.498	ug/l	97
28) Bromochloromethane	4.897	49	112391	52.678	ug/l	97
29) Tetrahydrofuran	5.013	42	283839	250.845	ug/l	99
30) Chloroform	5.086	83	222354	52.986	ug/l	98
31) Cyclohexane	5.464	56	155448	49.927	ug/l	99
32) 1,1,1-Trichloroethane	5.379	97	190574	53.740	ug/l	99
36) 1,1-Dichloropropene	5.690	75	148869	52.011	ug/l	100
37) Ethyl Acetate	4.708	43	177157	55.576	ug/l	99
38) Carbon Tetrachloride	5.672	117	159442	57.162	ug/l	97
39) Methylcyclohexane	7.379	83	157326	52.681	ug/l	98
40) Benzene	6.037	78	427349	49.747	ug/l	100

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	4.916	41	103915	57.465	ug/l	99
42) 1,2-Dichloroethane	6.080	62	193139	56.774	ug/l	100
43) Isopropyl Acetate	6.336	43	295889	56.452	ug/l	99
44) Trichloroethene	7.123	130	108106	48.511	ug/l	94
45) 1,2-Dichloropropane	7.427	63	117176	51.824	ug/l	98
46) Dibromomethane	7.580	93	83443	53.127	ug/l	98
47) Bromodichloromethane	7.818	83	168841	57.148	ug/l	97
48) Methyl methacrylate	7.690	41	145366	56.554	ug/l	99
49) 1,4-Dioxane	7.738	88	51561	875.866	ug/l #	80
51) 4-Methyl-2-Pentanone	8.574	43	909585	284.299	ug/l	100
52) Toluene	8.714	92	275331	50.980	ug/l	97
53) t-1,3-Dichloropropene	8.976	75	181184	58.013	ug/l	99
54) cis-1,3-Dichloropropene	8.360	75	191394	55.495	ug/l	99
55) 1,1,2-Trichloroethane	9.147	97	118198	52.529	ug/l	99
56) Ethyl methacrylate	9.116	69	188273	55.965	ug/l	99
57) 1,3-Dichloropropane	9.305	76	206498	53.325	ug/l	99
58) 2-Chloroethyl Vinyl ether	8.238	63	458126	259.897	ug/l	99
59) 2-Hexanone	9.427	43	698234	295.193	ug/l	98
60) Dibromochloromethane	9.519	129	122876	56.252	ug/l	100
61) 1,2-Dibromoethane	9.610	107	123218	53.565	ug/l	100
64) Tetrachloroethene	9.269	164	89131	47.229	ug/l	98
65) Chlorobenzene	10.079	112	297507	49.096	ug/l	100
66) 1,1,1,2-Tetrachloroethane	10.159	131	112394	52.736	ug/l	99
67) Ethyl Benzene	10.189	91	551447	51.133	ug/l	99
68) m/p-Xylenes	10.299	106	413883	101.158	ug/l	100
69) o-Xylene	10.640	106	205862	50.070	ug/l	100
70) Styrene	10.652	104	352628	53.080	ug/l	99
71) Bromoform	10.799	173	79800	54.064	ug/l #	99
73) Isopropylbenzene	10.963	105	550938	50.830	ug/l	99
74) N-amyl acetate	10.841	43	253503	53.659	ug/l	99
75) 1,1,2,2-Tetrachloroethane	11.213	83	187263	50.507	ug/l	99
76) 1,2,3-Trichloropropane	11.238	75	162861m	48.412	ug/l	
77) Bromobenzene	11.195	156	126010	47.012	ug/l	98
78) n-propylbenzene	11.305	91	654395	53.493	ug/l	99
79) 2-Chlorotoluene	11.360	91	404030	50.713	ug/l	100
80) 1,3,5-Trimethylbenzene	11.451	105	473657	51.832	ug/l	100
81) trans-1,4-Dichloro-2-b...	11.018	75	52384	52.450	ug/l	97
82) 4-Chlorotoluene	11.451	91	476102	52.066	ug/l	100
83) tert-Butylbenzene	11.713	119	455729	52.200	ug/l	99
84) 1,2,4-Trimethylbenzene	11.750	105	484095	51.618	ug/l	100
85) sec-Butylbenzene	11.890	105	571422	55.181	ug/l	99
86) p-Isopropyltoluene	12.006	119	484826	54.761	ug/l	99
87) 1,3-Dichlorobenzene	11.969	146	242532	49.396	ug/l	100
88) 1,4-Dichlorobenzene	12.042	146	245484	47.461	ug/l	100
89) n-Butylbenzene	12.329	91	431074	57.633	ug/l	100
90) Hexachloroethane	12.536	117	77611	55.281	ug/l	100
91) 1,2-Dichlorobenzene	12.335	146	238024	48.699	ug/l	99
92) 1,2-Dibromo-3-Chloropr...	12.939	75	40433	52.843	ug/l	98
93) 1,2,4-Trichlorobenzene	13.585	180	139697	49.114	ug/l	99
94) Hexachlorobutadiene	13.725	225	55561	51.350	ug/l	99
95) Naphthalene	13.774	128	489288	49.424	ug/l	100
96) 1,2,3-Trichlorobenzene	13.963	180	137189	48.896	ug/l	98

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

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