

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX010623\
 Data File : VX033645.D
 Acq On : 06 Jan 2023 20:49
 Operator : JC/MD
 Sample : VSTDCCC050
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 28 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050EC

Quant Time: Jan 07 04:31:37 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X010423W.M
 Quant Title : SW846 8260
 QLast Update : Thu Jan 05 04:43:25 2023
 Response via : Initial Calibration

Manual Integrations APPROVED

Reviewed By : John Carlone 01/09/2023
 Supervised By : Mahesh Dadoda 01/09/2023

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

Internal Standards						
1) Pentafluorobenzene	5.556	168	89316	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.763	114	155074	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	131955	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.024	152	43734	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.952	65	89172	88.441	ug/l	0.00
Spiked Amount 50.000	Range 78 - 117		Recovery = 176.880%#			
35) Dibromofluoromethane	5.385	113	68609	67.311	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 134.620%#			
50) Toluene-d8	8.647	98	169669	46.572	ug/l	0.00
Spiked Amount 50.000	Range 92 - 112		Recovery = 93.140%			
62) 4-Bromofluorobenzene	11.079	95	45806	35.471	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery = 70.940%#			
Target Compounds						
						Qvalue
2) Dichlorodifluoromethane	1.166	85	21889	29.717	ug/l	97
3) Chloromethane	1.294	50	62359	68.787	ug/l	98
4) Vinyl Chloride	1.374	62	41185	51.219	ug/l	95
5) Bromomethane	1.617	94	30185	67.132	ug/l	93
6) Chloroethane	1.691	64	29884	64.498	ug/l	99
7) Trichlorofluoromethane	1.886	101	43432	38.180	ug/l	98
8) Diethyl Ether	2.136	74	37007	103.438	ug/l	96
9) 1,1,2-Trichlorotrifluo...	2.331	101	25506	44.789	ug/l	97
10) Methyl Iodide	2.453	142	85187	82.078	ug/l	99
11) Tert butyl alcohol	3.032	59	81792m	493.816	ug/l	
12) 1,1-Dichloroethene	2.319	96	33877	64.562	ug/l	97
13) Acrolein	2.239	56	67407	688.985	ug/l	100
14) Allyl chloride	2.666	41	97801	70.188	ug/l	96
15) Acrylonitrile	3.068	53	226019	504.490	ug/l	99
16) Acetone	2.398	43	197359	593.407	ug/l	99
17) Carbon Disulfide	2.514	76	84029	43.871	ug/l	99
18) Methyl Acetate	2.709	43	140353	100.430	ug/l	99
19) Methyl tert-butyl Ether	3.111	73	258070	98.408	ug/l	99
20) Methylene Chloride	2.788	84	71200	85.396	ug/l	98
21) trans-1,2-Dichloroethene	3.093	96	45838	55.621	ug/l	98
22) Diisopropyl ether	3.757	45	253604	90.329	ug/l	95
23) Vinyl Acetate	3.721	43	1053316	488.575	ug/l	100
24) 1,1-Dichloroethane	3.611	63	107059	70.478	ug/l	99
25) 2-Butanone	4.568	43	318962	484.501	ug/l	99
26) 2,2-Dichloropropane	4.477	77	51509	49.049	ug/l	97
27) cis-1,2-Dichloroethene	4.489	96	68708	71.882	ug/l	97
28) Bromochloromethane	4.897	49	51409	83.313	ug/l	100
29) Tetrahydrofuran	5.013	42	209724	502.275	ug/l	99
30) Chloroform	5.092	83	115095	74.167	ug/l	99
31) Cyclohexane	5.477	56	44868	31.967	ug/l	88
32) 1,1,1-Trichloroethane	5.385	97	66484	49.548	ug/l	99
36) 1,1-Dichloropropene	5.690	75	47425	34.349	ug/l	99
37) Ethyl Acetate	4.715	43	126162	83.934	ug/l	99
38) Carbon Tetrachloride	5.678	117	49458	33.849	ug/l	97
39) Methylcyclohexane	7.379	83	44225	25.654	ug/l	98
40) Benzene	6.037	78	213321	52.862	ug/l	99

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	4.922	41	71804	85.596	ug/l	98
42) 1,2-Dichloroethane	6.086	62	106421	70.747	ug/l	99
43) Isopropyl Acetate	6.342	43	197029	83.465	ug/l	99
44) Trichloroethene	7.123	130	46981	40.798	ug/l	98
45) 1,2-Dichloropropane	7.427	63	66117	63.602	ug/l	100
46) Dibromomethane	7.580	93	52535	72.185	ug/l	99
47) Bromodichloromethane	7.824	83	93354	66.210	ug/l	98
48) Methyl methacrylate	7.690	41	97606	81.685	ug/l	99
49) 1,4-Dioxane	7.738	88	42406	1668.483	ug/l	96
51) 4-Methyl-2-Pentanone	8.574	43	622092	416.367	ug/l	99
52) Toluene	8.720	92	115524	43.543	ug/l	100
53) t-1,3-Dichloropropene	8.976	75	94120	60.326	ug/l	99
54) cis-1,3-Dichloropropene	8.366	75	99336	63.648	ug/l	99
55) 1,1,2-Trichloroethane	9.153	97	76017	73.150	ug/l	99
56) Ethyl methacrylate	9.116	69	124231	80.076	ug/l	100
57) 1,3-Dichloropropane	9.305	76	124073	69.783	ug/l	100
58) 2-Chloroethyl Vinyl ether	8.238	63	293085	371.387	ug/l	99
59) 2-Hexanone	9.433	43	457969	414.934	ug/l	99
60) Dibromochloromethane	9.519	129	79769	70.177	ug/l	99
61) 1,2-Dibromoethane	9.610	107	79259	72.108	ug/l	99
64) Tetrachloroethene	9.275	164	35197	36.245	ug/l	98
65) Chlorobenzene	10.079	112	128814	47.703	ug/l	98
66) 1,1,1,2-Tetrachloroethane	10.165	131	59335	58.783	ug/l	99
67) Ethyl Benzene	10.195	91	161058	34.169	ug/l	100
68) m/p-Xylenes	10.299	106	107340	58.353	ug/l	98
69) o-Xylene	10.640	106	58361	32.000	ug/l	98
70) Styrene	10.652	104	101800	33.977	ug/l	98
71) Bromoform	10.799	173	46097	57.040	ug/l #	99
73) Isopropylbenzene	10.963	105	126453	40.942	ug/l	99
74) N-amyl acetate	10.841	43	120793	96.520	ug/l	97
75) 1,1,2,2-Tetrachloroethane	11.213	83	87551	90.948	ug/l	99
76) 1,2,3-Trichloropropane	11.238	75	71308m	89.000	ug/l	
77) Bromobenzene	11.195	156	44139	53.987	ug/l	95
78) n-propylbenzene	11.305	91	136425	38.962	ug/l	98
79) 2-Chlorotoluene	11.366	91	92487	43.979	ug/l	99
80) 1,3,5-Trimethylbenzene	11.451	105	110416	43.423	ug/l	99
81) trans-1,4-Dichloro-2-b...	11.018	75	23003	87.139	ug/l	93
82) 4-Chlorotoluene	11.451	91	105694	43.469	ug/l	99
83) tert-Butylbenzene	11.713	119	111955	42.200	ug/l	99
84) 1,2,4-Trimethylbenzene	11.750	105	113889	44.635	ug/l	97
85) sec-Butylbenzene	11.890	105	120280	38.375	ug/l	98
86) p-Isopropyltoluene	12.006	119	106801	39.875	ug/l	98
87) 1,3-Dichlorobenzene	11.969	146	67948	46.175	ug/l	99
88) 1,4-Dichlorobenzene	12.042	146	68813	47.804	ug/l	98
89) n-Butylbenzene	12.329	91	84036	37.519	ug/l	99
90) Hexachloroethane	12.536	117	18265	42.269	ug/l	93
91) 1,2-Dichlorobenzene	12.335	146	75963	54.026	ug/l	100
92) 1,2-Dibromo-3-Chloropr...	12.945	75	18973	105.995	ug/l	91
93) 1,2,4-Trichlorobenzene	13.585	180	43413	44.767	ug/l	98
94) Hexachlorobutadiene	13.725	225	16650	38.760	ug/l	98
95) Naphthalene	13.774	128	197742	63.372	ug/l	99
96) 1,2,3-Trichlorobenzene	13.963	180	47491	46.951	ug/l	97

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

