

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX051123\
 Data File : VX035613.D
 Acq On : 11 May 2023 17:27
 Operator : JC/MD
 Sample : VX0511WBSD01
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 16 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0511WBSD01

Quant Time: May 12 03:51:52 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

Manual Integrations APPROVED

Reviewed By : John Carlone 05/12/2023
 Supervised By : Mahesh Dadoda 05/12/2023

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

Internal Standards						
1) Pentafluorobenzene	5.550	168	177906	50.000	ug/l	# 0.00
34) 1,4-Difluorobenzene	6.763	114	323920	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	288280	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.024	152	132734	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.952	65	186672	60.146	ug/l	0.00
Spiked Amount 50.000	Range 78 - 117		Recovery = 120.300%#			
35) Dibromofluoromethane	5.385	113	125090	57.262	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 114.520%			
50) Toluene-d8	8.647	98	445672	55.225	ug/l	0.00
Spiked Amount 50.000	Range 92 - 112		Recovery = 110.460%			
62) 4-Bromofluorobenzene	11.079	95	180786	55.637	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery = 111.280%			
Target Compounds						
						Qvalue
2) Dichlorodifluoromethane	1.166	85	48021	20.712	ug/l	99
3) Chloromethane	1.295	50	54981	19.540	ug/l	99
4) Vinyl Chloride	1.374	62	49822	20.865	ug/l	95
5) Bromomethane	1.618	94	28706	22.197	ug/l	98
6) Chloroethane	1.691	64	29598	20.432	ug/l	99
7) Trichlorofluoromethane	1.886	101	72590	20.675	ug/l	99
8) Diethyl Ether	2.130	74	31325	23.172	ug/l	96
9) 1,1,2-Trichlorotrifluo...	2.331	101	42407	20.343	ug/l	96
10) Methyl Iodide	2.453	142	40246	21.587	ug/l	93
11) Tert butyl alcohol	2.995	59	72184	131.827	ug/l	98
12) 1,1-Dichloroethene	2.319	96	40950	20.669	ug/l	89
13) Acrolein	2.239	56	66367	102.120	ug/l	100
14) Allyl chloride	2.666	41	89077	20.987	ug/l	95
15) Acrylonitrile	3.069	53	146447	121.457	ug/l	99
16) Acetone	2.392	43	150450	112.787	ug/l	94
17) Carbon Disulfide	2.514	76	94363	19.735	ug/l	100
18) Methyl Acetate	2.703	43	118391	24.065	ug/l	99
19) Methyl tert-butyl Ether	3.111	73	182363	23.131	ug/l	97
20) Methylene Chloride	2.788	84	55675	23.029	ug/l	98
21) trans-1,2-Dichloroethene	3.093	96	45816	21.104	ug/l	88
22) Diisopropyl ether	3.757	45	186064	22.389	ug/l	99
23) Vinyl Acetate	3.721	43	703442	119.631	ug/l	98
24) 1,1-Dichloroethane	3.611	63	97654	21.972	ug/l	99
25) 2-Butanone	4.562	43	222155	120.306	ug/l	98
26) 2,2-Dichloropropane	4.477	77	74224	19.721	ug/l	98
27) cis-1,2-Dichloroethene	4.489	96	56756	21.748	ug/l	96
28) Bromochloromethane	4.898	49	45083	22.551	ug/l	96
29) Tetrahydrofuran	5.013	42	141744	122.126	ug/l	98
30) Chloroform	5.093	83	100770	22.126	ug/l	99
31) Cyclohexane	5.471	56	80764	20.597	ug/l	95
32) 1,1,1-Trichloroethane	5.385	97	82471	20.812	ug/l	99
36) 1,1-Dichloropropene	5.690	75	69433	20.136	ug/l	99
37) Ethyl Acetate	4.715	43	85475	23.766	ug/l	100
38) Carbon Tetrachloride	5.678	117	65582	20.078	ug/l	96
39) Methylcyclohexane	7.379	83	81816	20.157	ug/l	96
40) Benzene	6.038	78	204171	21.166	ug/l	99

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	4.916	41	48876	22.888	ug/l	95
42) 1,2-Dichloroethane	6.086	62	91993	22.170	ug/l	97
43) Isopropyl Acetate	6.342	43	144525	23.045	ug/l	99
44) Trichloroethene	7.129	130	49093	20.071	ug/l	98
45) 1,2-Dichloropropane	7.428	63	54825	21.460	ug/l	96
46) Dibromomethane	7.580	93	38170	21.827	ug/l	96
47) Bromodichloromethane	7.824	83	72267	21.380	ug/l	99
48) Methyl methacrylate	7.690	41	71527	23.110	ug/l	97
49) 1,4-Dioxane	7.702	88	30525	464.785	ug/l	97
51) 4-Methyl-2-Pentanone	8.574	43	433398	119.952	ug/l	98
52) Toluene	8.720	92	125650	20.635	ug/l	98
53) t-1,3-Dichloropropene	8.976	75	78388	21.346	ug/l	98
54) cis-1,3-Dichloropropene	8.366	75	86333	21.942	ug/l	96
55) 1,1,2-Trichloroethane	9.153	97	53127	22.214	ug/l	97
56) Ethyl methacrylate	9.116	69	87804	22.671	ug/l	96
57) 1,3-Dichloropropane	9.305	76	96831	22.334	ug/l	100
58) 2-Chloroethyl Vinyl ether	8.238	63	199414	101.213	ug/l	98
59) 2-Hexanone	9.427	43	328548	120.745	ug/l	98
60) Dibromochloromethane	9.519	129	47941	21.029	ug/l	99
61) 1,2-Dibromoethane	9.610	107	56868	22.569	ug/l	98
64) Tetrachloroethene	9.275	164	39133	20.163	ug/l	92
65) Chlorobenzene	10.080	112	133190	21.165	ug/l	98
66) 1,1,1,2-Tetrachloroethane	10.165	131	47816	21.489	ug/l	99
67) Ethyl Benzene	10.195	91	243849	20.604	ug/l	98
68) m/p-Xylenes	10.299	106	182905	41.810	ug/l	95
69) o-Xylene	10.640	106	91356	21.045	ug/l	97
70) Styrene	10.653	104	148051	21.161	ug/l	98
71) Bromoform	10.799	173	30780	21.024	ug/l #	98
73) Isopropylbenzene	10.964	105	233375	20.865	ug/l	98
74) N-amyl acetate	10.842	43	120824	23.169	ug/l	98
75) 1,1,2,2-Tetrachloroethane	11.213	83	83806	23.098	ug/l	99
76) 1,2,3-Trichloropropane	11.238	75	71194m	21.928	ug/l	
77) Bromobenzene	11.195	156	52946	20.856	ug/l	91
78) n-propylbenzene	11.305	91	274736	20.896	ug/l	97
79) 2-Chlorotoluene	11.366	91	170201	20.676	ug/l	97
80) 1,3,5-Trimethylbenzene	11.451	105	200100	21.049	ug/l	99
81) trans-1,4-Dichloro-2-b...	11.018	75	21002	20.848	ug/l #	84
82) 4-Chlorotoluene	11.451	91	196125	20.688	ug/l	99
83) tert-Butylbenzene	11.713	119	192896	20.875	ug/l	95
84) 1,2,4-Trimethylbenzene	11.750	105	202342	21.198	ug/l	96
85) sec-Butylbenzene	11.890	105	240443	20.724	ug/l	98
86) p-Isopropyltoluene	12.006	119	197449	20.701	ug/l	98
87) 1,3-Dichlorobenzene	11.969	146	99335	20.598	ug/l	98
88) 1,4-Dichlorobenzene	12.043	146	102039	20.953	ug/l	98
89) n-Butylbenzene	12.329	91	175023	20.171	ug/l	98
90) Hexachloroethane	12.536	117	28668	19.830	ug/l	94
91) 1,2-Dichlorobenzene	12.335	146	99521	21.074	ug/l	97
92) 1,2-Dibromo-3-Chloropr...	12.945	75	19074	23.608	ug/l	90
93) 1,2,4-Trichlorobenzene	13.585	180	59249	20.836	ug/l	98
94) Hexachlorobutadiene	13.725	225	21814	19.327	ug/l	98
95) Naphthalene	13.774	128	227482	23.360	ug/l	99
96) 1,2,3-Trichlorobenzene	13.963	180	59668	21.336	ug/l	98

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

