

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX042123\
 Data File : VX035229.D
 Acq On : 21 Apr 2023 14:27
 Operator : JC/MD
 Sample : VX0421WBS01
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0421WBS01

Manual Integrations
 APPROVED

Reviewed By : John Carlone 04/24/2023
 Supervised By : Mahesh Dadoda 04/24/2023

Quant Time: Apr 22 01:04:54 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X032923W.M
 Quant Title : SW846 8260
 QLast Update : Sat Apr 01 01:50:18 2023
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	5.550	168	281466	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.757	114	448100	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	398189	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.018	152	199213	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.952	65	186713	43.375	ug/l	0.00
Spiked Amount 50.000	Range 78 - 117		Recovery =	86.760%		
35) Dibromofluoromethane	5.379	113	154959	52.283	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery =	104.560%		
50) Toluene-d8	8.647	98	563485	51.509	ug/l	0.00
Spiked Amount 50.000	Range 92 - 112		Recovery =	103.020%		
62) 4-Bromofluorobenzene	11.079	95	219411	51.829	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery =	103.660%		
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.166	85	66493	23.686	ug/l	99
3) Chloromethane	1.295	50	60521	17.218	ug/l	98
4) Vinyl Chloride	1.374	62	61626	17.707	ug/l	100
5) Bromomethane	1.618	94	37766	16.700	ug/l	96
6) Chloroethane	1.691	64	33697	14.882	ug/l	99
7) Trichlorofluoromethane	1.886	101	90670	16.206	ug/l	100
8) Diethyl Ether	2.130	74	34450	17.466	ug/l	97
9) 1,1,2-Trichlorotrifluo...	2.331	101	61537	21.043	ug/l	96
10) Methyl Iodide	2.453	142	61818	16.975	ug/l	97
11) Tert butyl alcohol	3.002	59	61676m	81.662	ug/l	
12) 1,1-Dichloroethene	2.319	96	56992	19.723	ug/l	97
13) Acrolein	2.239	56	58367	75.073	ug/l	100
14) Allyl chloride	2.666	41	102186	18.051	ug/l	98
15) Acrylonitrile	3.069	53	167631	98.604	ug/l	99
16) Acetone	2.392	43	166336	95.121	ug/l	97
17) Carbon Disulfide	2.514	76	134863	18.636	ug/l	99
18) Methyl Acetate	2.703	43	122511	19.718	ug/l	98
19) Methyl tert-butyl Ether	3.111	73	204477	19.113	ug/l	95
20) Methylene Chloride	2.788	84	68283	19.788	ug/l	95
21) trans-1,2-Dichloroethene	3.093	96	63610	20.185	ug/l	96
22) Diisopropyl ether	3.757	45	213385	18.681	ug/l	94
23) Vinyl Acetate	3.721	43	760562	93.362	ug/l	100
24) 1,1-Dichloroethane	3.605	63	117511	19.121	ug/l	100
25) 2-Butanone	4.562	43	237380	93.321	ug/l	97
26) 2,2-Dichloropropane	4.477	77	90729	17.952	ug/l	100
27) cis-1,2-Dichloroethene	4.483	96	74332	19.906	ug/l	95
28) Bromochloromethane	4.898	49	66313	22.058	ug/l	89
29) Tetrahydrofuran	5.007	42	143925	90.320	ug/l	97
30) Chloroform	5.093	83	117892	18.886	ug/l	96
31) Cyclohexane	5.471	56	105905	20.205	ug/l	97
32) 1,1,1-Trichloroethane	5.379	97	100984	18.957	ug/l	98
36) 1,1-Dichloropropene	5.696	75	88186	20.084	ug/l	96
37) Ethyl Acetate	4.715	43	87095	18.970	ug/l	96
38) Carbon Tetrachloride	5.678	117	85414	20.632	ug/l	98
39) Methylcyclohexane	7.379	83	115417	24.753	ug/l	95
40) Benzene	6.038	78	262853	20.854	ug/l	98

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	4.916	41	50276	20.135	ug/l	97
42) 1,2-Dichloroethane	6.086	62	95102	18.978	ug/l	96
43) Isopropyl Acetate	6.336	43	143029	18.620	ug/l	95
44) Trichloroethene	7.123	130	71516	22.227	ug/l	98
45) 1,2-Dichloropropane	7.428	63	69587	21.186	ug/l	97
46) Dibromomethane	7.580	93	44634	19.750	ug/l	93
47) Bromodichloromethane	7.824	83	84084	20.142	ug/l	92
48) Methyl methacrylate	7.690	41	72794	19.297	ug/l	94
49) 1,4-Dioxane	7.714	88	30377	390.750	ug/l	96
51) 4-Methyl-2-Pentanone	8.574	43	449440	98.863	ug/l	97
52) Toluene	8.714	92	168832	20.543	ug/l	99
53) t-1,3-Dichloropropene	8.976	75	90115	20.067	ug/l	99
54) cis-1,3-Dichloropropene	8.366	75	103605	21.081	ug/l	92
55) 1,1,2-Trichloroethane	9.153	97	66831	21.485	ug/l	97
56) Ethyl methacrylate	9.116	69	101797	20.888	ug/l	93
57) 1,3-Dichloropropane	9.305	76	115358	20.941	ug/l	98
58) 2-Chloroethyl Vinyl ether	8.238	63	240503	96.919	ug/l	96
59) 2-Hexanone	9.427	43	344043	100.057	ug/l	96
60) Dibromochloromethane	9.519	129	63143	21.310	ug/l	100
61) 1,2-Dibromoethane	9.610	107	68570	21.200	ug/l	99
64) Tetrachloroethene	9.275	164	64224	22.538	ug/l	98
65) Chlorobenzene	10.079	112	181778	21.941	ug/l	99
66) 1,1,1,2-Tetrachloroethane	10.165	131	63247	22.201	ug/l	98
67) Ethyl Benzene	10.195	91	320717	21.369	ug/l	98
68) m/p-Xylenes	10.299	106	249752	43.563	ug/l	98
69) o-Xylene	10.640	106	122704	21.848	ug/l	98
70) Styrene	10.653	104	202637	22.602	ug/l	97
71) Bromoform	10.799	173	41757	21.551	ug/l #	98
73) Isopropylbenzene	10.963	105	321894	22.059	ug/l	100
74) N-amyl acetate	10.842	43	124878	19.034	ug/l	96
75) 1,1,2,2-Tetrachloroethane	11.213	83	98610	20.618	ug/l	99
76) 1,2,3-Trichloropropane	11.238	75	80108m	19.957	ug/l	
77) Bromobenzene	11.195	156	78004	21.573	ug/l	93
78) n-propylbenzene	11.305	91	373228	22.141	ug/l	100
79) 2-Chlorotoluene	11.366	91	225373	21.175	ug/l	98
80) 1,3,5-Trimethylbenzene	11.451	105	274030	22.460	ug/l	97
81) trans-1,4-Dichloro-2-b...	11.018	75	24632	18.391	ug/l	95
82) 4-Chlorotoluene	11.457	91	257051	20.798	ug/l	97
83) tert-Butylbenzene	11.713	119	267718	23.367	ug/l	98
84) 1,2,4-Trimethylbenzene	11.750	105	271911	21.915	ug/l	100
85) sec-Butylbenzene	11.890	105	334937	24.030	ug/l	100
86) p-Isopropyltoluene	12.006	119	282233	24.283	ug/l	98
87) 1,3-Dichlorobenzene	11.969	146	147322	22.373	ug/l	99
88) 1,4-Dichlorobenzene	12.043	146	148982	21.663	ug/l	99
89) n-Butylbenzene	12.335	91	240602	23.694	ug/l	99
90) Hexachloroethane	12.536	117	40840	22.680	ug/l	91
91) 1,2-Dichlorobenzene	12.335	146	144881	21.969	ug/l	99
92) 1,2-Dibromo-3-Chloropr...	12.945	75	19257	19.290	ug/l	90
93) 1,2,4-Trichlorobenzene	13.585	180	93752	25.135	ug/l	99
94) Hexachlorobutadiene	13.725	225	40589	24.741	ug/l	98
95) Naphthalene	13.774	128	293474	22.143	ug/l	99
96) 1,2,3-Trichlorobenzene	13.963	180	91756	24.394	ug/l	98

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

