

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX052423\
 Data File : VX035846.D
 Acq On : 24 May 2023 19:08
 Operator : JC/MD
 Sample : 02860-03MS
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 23 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 FSND-PRO-08-81-05112023MS

Quant Time: May 25 05:35:15 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 05/25/2023
 Supervised By : Mahesh Dadoda 05/25/2023

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

Internal Standards						
1) Pentafluorobenzene	5.550	168	193492	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.763	114	336721	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	299895	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.024	152	149738	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.952	65	143173	42.415	ug/l	0.00
Spiked Amount 50.000	Range 78 - 117		Recovery =	84.820%		
35) Dibromofluoromethane	5.385	113	111465	49.085	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery =	98.180%		
50) Toluene-d8	8.647	98	400812	47.778	ug/l	0.00
Spiked Amount 50.000	Range 92 - 112		Recovery =	95.560%		
62) 4-Bromofluorobenzene	11.079	95	155772	46.117	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery =	92.240%		
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.166	85	107105	42.474	ug/l	98
3) Chloromethane	1.295	50	114775	37.506	ug/l	99
4) Vinyl Chloride	1.374	62	113952	43.877	ug/l	98
5) Bromomethane	1.612	94	67509	47.996	ug/l	98
6) Chloroethane	1.691	64	73450	46.619	ug/l	99
7) Trichlorofluoromethane	1.886	101	180718	47.325	ug/l	100
8) Diethyl Ether	2.130	74	67696	46.042	ug/l	94
9) 1,1,2-Trichlorotrifluo...	2.331	101	104535	46.107	ug/l	98
10) Methyl Iodide	2.453	142	112568	55.514	ug/l	96
11) Tert butyl alcohol	3.026	59	122198	205.190	ug/l #	92
12) 1,1-Dichloroethene	2.319	96	100076	46.444	ug/l	96
13) Acrolein	2.239	56	161808	228.922	ug/l	98
14) Allyl chloride	2.666	41	195143	42.273	ug/l	97
15) Acrylonitrile	3.069	53	361774	275.872	ug/l	99
16) Acetone	2.398	43	317671	218.963	ug/l	99
17) Carbon Disulfide	2.514	76	205790	39.572	ug/l	100
18) Methyl Acetate	2.709	43	279313	52.203	ug/l	99
19) Methyl tert-butyl Ether	3.111	73	381779	44.524	ug/l	98
20) Methylene Chloride	2.788	84	121285	46.127	ug/l	98
21) trans-1,2-Dichloroethene	3.093	96	108502	45.953	ug/l	99
22) Diisopropyl ether	3.757	45	412110	45.596	ug/l	97
23) Vinyl Acetate	3.721	43	1349185	210.966	ug/l	98
24) 1,1-Dichloroethane	3.611	63	219275	45.362	ug/l	99
25) 2-Butanone	4.568	43	520873	259.353	ug/l	100
26) 2,2-Dichloropropane	4.477	77	152011	37.135	ug/l	99
27) cis-1,2-Dichloroethene	4.489	96	135006	47.564	ug/l	99
28) Bromochloromethane	4.898	49	104988	48.287	ug/l	100
29) Tetrahydrofuran	5.013	42	335988	266.167	ug/l	100
30) Chloroform	5.093	83	226972	45.822	ug/l	99
31) Cyclohexane	5.471	56	188951	44.305	ug/l	97
32) 1,1,1-Trichloroethane	5.385	97	192084	44.569	ug/l	99
36) 1,1-Dichloropropene	5.696	75	158957	44.347	ug/l	99
37) Ethyl Acetate	4.715	43	181837	48.637	ug/l	99
38) Carbon Tetrachloride	5.678	117	152262	44.842	ug/l	99
39) Methylcyclohexane	7.379	83	189453	44.901	ug/l	98
40) Benzene	6.038	78	478552	47.724	ug/l	99

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	4.922	41	113795	51.264	ug/l	98
42) 1,2-Dichloroethane	6.086	62	187705	43.516	ug/l	98
43) Isopropyl Acetate	6.342	43	300674	46.120	ug/l	100
44) Trichloroethene	7.129	130	158708	62.420	ug/l	97
45) 1,2-Dichloropropane	7.428	63	128629	48.434	ug/l	97
46) Dibromomethane	7.580	93	88328	48.588	ug/l	98
47) Bromodichloromethane	7.824	83	162513	46.251	ug/l	100
48) Methyl methacrylate	7.690	41	155308	48.271	ug/l	99
49) 1,4-Dioxane	7.726	88	56271	852.416	ug/l #	78
51) 4-Methyl-2-Pentanone	8.574	43	1018829	271.263	ug/l	99
52) Toluene	8.720	92	300145	47.418	ug/l	99
53) t-1,3-Dichloropropene	8.976	75	170524	44.670	ug/l	98
54) cis-1,3-Dichloropropene	8.366	75	189514	46.336	ug/l	99
55) 1,1,2-Trichloroethane	9.153	97	124235	49.972	ug/l	98
56) Ethyl methacrylate	9.116	69	196704	48.858	ug/l	98
57) 1,3-Dichloropropane	9.305	76	215129	47.734	ug/l	100
59) 2-Hexanone	9.433	43	775905	274.314	ug/l	99
60) Dibromochloromethane	9.525	129	117097	49.412	ug/l	99
61) 1,2-Dibromoethane	9.610	107	131341	50.143	ug/l	100
64) Tetrachloroethene	9.275	164	118752	58.817	ug/l	96
65) Chlorobenzene	10.079	112	315871	48.251	ug/l	98
66) 1,1,1,2-Tetrachloroethane	10.165	131	112433	48.572	ug/l	99
67) Ethyl Benzene	10.195	91	576838	46.852	ug/l	98
68) m/p-Xylenes	10.299	106	432209	94.971	ug/l	100
69) o-Xylene	10.640	106	217645	48.195	ug/l	100
70) Styrene	10.653	104	363227	49.906	ug/l	98
71) Bromoform	10.799	173	79100	51.936	ug/l #	98
73) Isopropylbenzene	10.964	105	566394	44.889	ug/l	100
74) N-amyl acetate	10.842	43	279343	47.483	ug/l	92
75) 1,1,2,2-Tetrachloroethane	11.213	83	203165	49.636	ug/l	100
76) 1,2,3-Trichloropropane	11.238	75	166528m	45.467	ug/l	
77) Bromobenzene	11.195	156	134888	47.100	ug/l	99
78) n-propylbenzene	11.305	91	671179	45.251	ug/l	99
79) 2-Chlorotoluene	11.366	91	404385	43.547	ug/l	99
80) 1,3,5-Trimethylbenzene	11.451	105	469468	43.777	ug/l	97
81) trans-1,4-Dichloro-2-b...	11.018	75	52623	46.304	ug/l	91
82) 4-Chlorotoluene	11.451	91	454124	42.463	ug/l	99
83) tert-Butylbenzene	11.713	119	469913	45.079	ug/l	100
84) 1,2,4-Trimethylbenzene	11.750	105	482584	44.817	ug/l	99
85) sec-Butylbenzene	11.890	105	589043	45.005	ug/l	100
86) p-Isopropyltoluene	12.006	119	492763	45.795	ug/l	99
87) 1,3-Dichlorobenzene	11.969	146	254613	46.800	ug/l	99
88) 1,4-Dichlorobenzene	12.043	146	256888	46.761	ug/l	99
89) n-Butylbenzene	12.329	91	438108	44.758	ug/l	99
90) Hexachloroethane	12.536	117	75368	46.212	ug/l	99
91) 1,2-Dichlorobenzene	12.335	146	255588	47.975	ug/l	99
92) 1,2-Dibromo-3-Chloropr...	12.945	75	42748	46.901	ug/l	98
93) 1,2,4-Trichlorobenzene	13.585	180	150421	46.892	ug/l	99
94) Hexachlorobutadiene	13.725	225	57027	44.788	ug/l	99
95) Naphthalene	13.774	128	545635	49.669	ug/l	100
96) 1,2,3-Trichlorobenzene	13.963	180	147651	46.801	ug/l	99

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

