

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX052423\
 Data File : VX035847.D
 Acq On : 24 May 2023 19:31
 Operator : JC/MD
 Sample : 02860-04MSD
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 24 Sample Multiplier: 1

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

Quant Time: May 25 05:35:59 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	155260	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.763	114	275946	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	247915	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.024	152	116044	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.952	65	120862	44.622	ug/l	0.00
Spiked Amount 50.000	Range 78 - 117		Recovery =	89.240%		
35) Dibromofluoromethane	5.385	113	93096	50.025	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery =	100.060%		
50) Toluene-d8	8.647	98	333620	48.527	ug/l	0.00
Spiked Amount 50.000	Range 92 - 112		Recovery =	97.060%		
62) 4-Bromofluorobenzene	11.079	95	128026	46.250	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery =	92.500%		
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.167	85	86755	42.875	ug/l	100
3) Chloromethane	1.295	50	95825	39.024	ug/l	100
4) Vinyl Chloride	1.374	62	94243	45.224	ug/l	98
5) Bromomethane	1.618	94	58487	51.821	ug/l	95
6) Chloroethane	1.691	64	61068	48.305	ug/l	100
7) Trichlorofluoromethane	1.886	101	146436	47.790	ug/l	98
8) Diethyl Ether	2.130	74	55219	46.804	ug/l	96
9) 1,1,2-Trichlorotrifluo...	2.331	101	83104	45.681	ug/l	99
10) Methyl Iodide	2.453	142	94539	58.104	ug/l	96
11) Tert butyl alcohol	3.020	59	103024	215.593	ug/l #	92
12) 1,1-Dichloroethene	2.319	96	81453	47.110	ug/l	95
13) Acrolein	2.240	56	167832	295.914	ug/l	99
14) Allyl chloride	2.666	41	159704	43.115	ug/l	97
15) Acrylonitrile	3.069	53	288361	274.037	ug/l	99
16) Acetone	2.398	43	260527	223.795	ug/l	99
17) Carbon Disulfide	2.514	76	174810	41.892	ug/l	99
18) Methyl Acetate	2.709	43	225713	52.573	ug/l	99
19) Methyl tert-butyl Ether	3.111	73	311048	45.208	ug/l	100
20) Methylene Chloride	2.788	84	98491	46.682	ug/l	97
21) trans-1,2-Dichloroethene	3.093	96	91336	48.209	ug/l	97
22) Diisopropyl ether	3.758	45	331241	45.673	ug/l	99
23) Vinyl Acetate	3.721	43	1121667	218.579	ug/l	98
24) 1,1-Dichloroethane	3.605	63	179398	46.251	ug/l	99
25) 2-Butanone	4.568	43	411731	255.492	ug/l	99
26) 2,2-Dichloropropane	4.477	77	122990	37.444	ug/l	100
27) cis-1,2-Dichloroethene	4.489	96	110433	48.488	ug/l	99
28) Bromochloromethane	4.898	49	85812	49.186	ug/l	99
29) Tetrahydrofuran	5.013	42	264863	261.490	ug/l	99
30) Chloroform	5.093	83	183370	46.135	ug/l	97
31) Cyclohexane	5.471	56	149531	43.696	ug/l	98
32) 1,1,1-Trichloroethane	5.385	97	156384	45.221	ug/l	99
36) 1,1-Dichloropropene	5.690	75	130754	44.512	ug/l	99
37) Ethyl Acetate	4.715	43	146829	47.923	ug/l	99
38) Carbon Tetrachloride	5.678	117	122032	43.855	ug/l	99
39) Methylcyclohexane	7.379	83	148522	42.953	ug/l	96
40) Benzene	6.038	78	386900	47.082	ug/l	99

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	4.916	41	88030	48.391	ug/l	98
42) 1,2-Dichloroethane	6.086	62	149463	42.281	ug/l	100
43) Isopropyl Acetate	6.342	43	243887	45.649	ug/l	100
44) Trichloroethene	7.129	130	135353	64.959	ug/l	99
45) 1,2-Dichloropropane	7.428	63	104361	47.951	ug/l	100
46) Dibromomethane	7.580	93	71378	47.912	ug/l	99
47) Bromodichloromethane	7.824	83	129561	44.994	ug/l	98
48) Methyl methacrylate	7.696	41	124053	47.049	ug/l	99
49) 1,4-Dioxane	7.726	88	44299	816.176	ug/l	94
51) 4-Methyl-2-Pentanone	8.574	43	809448	262.981	ug/l	98
52) Toluene	8.720	92	237899	45.862	ug/l	99
53) t-1,3-Dichloropropene	8.976	75	140979	45.064	ug/l	98
54) cis-1,3-Dichloropropene	8.366	75	153676	45.849	ug/l	98
55) 1,1,2-Trichloroethane	9.153	97	99820	48.994	ug/l	97
56) Ethyl methacrylate	9.116	69	158628	48.078	ug/l	99
57) 1,3-Dichloropropane	9.305	76	173936	47.094	ug/l	100
59) 2-Hexanone	9.433	43	613229	264.550	ug/l	99
60) Dibromochloromethane	9.519	129	93279	48.031	ug/l	99
61) 1,2-Dibromoethane	9.610	107	104776	48.811	ug/l	99
64) Tetrachloroethene	9.275	164	99004	59.317	ug/l	95
65) Chlorobenzene	10.080	112	255521	47.216	ug/l	98
66) 1,1,1,2-Tetrachloroethane	10.165	131	90147	47.110	ug/l	100
67) Ethyl Benzene	10.195	91	462279	45.420	ug/l	98
68) m/p-Xylenes	10.299	106	343846	91.396	ug/l	100
69) o-Xylene	10.640	106	172636	46.243	ug/l	100
70) Styrene	10.653	104	286511	47.619	ug/l	98
71) Bromoform	10.799	173	60200	47.814	ug/l #	99
73) Isopropylbenzene	10.964	105	446766	45.689	ug/l	100
74) N-amyl acetate	10.842	43	235187	51.584	ug/l #	88
75) 1,1,2,2-Tetrachloroethane	11.214	83	160204	50.505	ug/l	100
76) 1,2,3-Trichloropropane	11.238	75	131600m	46.363	ug/l	
77) Bromobenzene	11.195	156	106503	47.986	ug/l	99
78) n-propylbenzene	11.305	91	523311	45.526	ug/l	100
79) 2-Chlorotoluene	11.366	91	314262	43.668	ug/l	99
80) 1,3,5-Trimethylbenzene	11.451	105	369843	44.501	ug/l	100
81) trans-1,4-Dichloro-2-b...	11.018	75	40327	45.788	ug/l	91
82) 4-Chlorotoluene	11.451	91	357897	43.182	ug/l	98
83) tert-Butylbenzene	11.713	119	364465	45.115	ug/l	100
84) 1,2,4-Trimethylbenzene	11.750	105	380605	45.609	ug/l	99
85) sec-Butylbenzene	11.890	105	460154	45.365	ug/l	99
86) p-Isopropyltoluene	12.006	119	375243	44.999	ug/l	100
87) 1,3-Dichlorobenzene	11.969	146	201027	47.679	ug/l	99
88) 1,4-Dichlorobenzene	12.043	146	201783	47.395	ug/l	99
89) n-Butylbenzene	12.329	91	335353	44.208	ug/l	98
90) Hexachloroethane	12.536	117	57091	45.170	ug/l	98
91) 1,2-Dichlorobenzene	12.335	146	200326	48.520	ug/l	99
92) 1,2-Dibromo-3-Chloropr...	12.945	75	32923	46.610	ug/l	96
93) 1,2,4-Trichlorobenzene	13.585	180	118533	47.680	ug/l	99
94) Hexachlorobutadiene	13.725	225	45520	46.131	ug/l	99
95) Naphthalene	13.774	128	432178	50.764	ug/l	99
96) 1,2,3-Trichlorobenzene	13.963	180	117742	48.157	ug/l	98

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

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