

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX051523\
 Data File : VX035676.D
 Acq On : 15 May 2023 19:28
 Operator : JC/MD
 Sample : 02643-08MSD
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 26 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 FSND-PRO-07-90-05032023MSD

Quant Time: May 16 05:04:49 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 05/16/2023
 Supervised By : Mahesh Dadoda 05/16/2023

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

Internal Standards						
1) Pentafluorobenzene	5.550	168	191784	50.000	ug/l	# 0.00
34) 1,4-Difluorobenzene	6.763	114	359259	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	330812	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.024	152	154437	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.952	65	181524	54.255	ug/l	0.00
Spiked Amount 50.000	Range 78 - 117		Recovery = 108.520%			
35) Dibromofluoromethane	5.385	113	124257	51.286	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 102.580%			
50) Toluene-d8	8.647	98	437834	48.917	ug/l	0.00
Spiked Amount 50.000	Range 92 - 112		Recovery = 97.840%			
62) 4-Bromofluorobenzene	11.079	95	183715	50.977	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery = 101.960%			
Target Compounds						
						Qvalue
2) Dichlorodifluoromethane	1.166	85	101979	40.801	ug/l	100
3) Chloromethane	1.295	50	134263	44.264	ug/l	100
4) Vinyl Chloride	1.374	62	118847	46.169	ug/l	98
5) Bromomethane	1.618	94	76153	54.624	ug/l	99
6) Chloroethane	1.691	64	77138	49.396	ug/l	93
7) Trichlorofluoromethane	1.886	101	168178	44.433	ug/l	100
8) Diethyl Ether	2.130	74	81961	56.241	ug/l	99
9) 1,1,2-Trichlorotrifluo...	2.331	101	94039	41.847	ug/l	96
10) Methyl Iodide	2.453	142	114592	57.016	ug/l	91
11) Tert butyl alcohol	3.020	59	152333	258.070	ug/l	# 91
12) 1,1-Dichloroethene	2.319	96	100643	47.123	ug/l	87
13) Acrolein	2.239	56	186597	266.343	ug/l	100
14) Allyl chloride	2.666	41	226626	49.530	ug/l	94
15) Acrylonitrile	3.069	53	385993	296.961	ug/l	99
16) Acetone	2.398	43	353188	245.612	ug/l	96
17) Carbon Disulfide	2.514	76	231493	44.911	ug/l	99
18) Methyl Acetate	2.709	43	316372	59.656	ug/l	97
19) Methyl tert-butyl Ether	3.111	73	466799	54.925	ug/l	99
20) Methylene Chloride	2.788	84	132223	50.735	ug/l	96
21) trans-1,2-Dichloroethene	3.093	96	117333	50.136	ug/l	93
22) Diisopropyl ether	3.757	45	482541	53.863	ug/l	97
23) Vinyl Acetate	3.721	43	1782851	281.259	ug/l	98
24) 1,1-Dichloroethane	3.611	63	247470	51.651	ug/l	99
25) 2-Butanone	4.568	43	558010	280.319	ug/l	99
26) 2,2-Dichloropropane	4.477	77	173440	42.747	ug/l	98
27) cis-1,2-Dichloroethene	4.489	96	145249	51.629	ug/l	95
28) Bromochloromethane	4.898	49	127515	59.170	ug/l	96
29) Tetrahydrofuran	5.013	42	357789	285.962	ug/l	98
30) Chloroform	5.093	83	258597	52.671	ug/l	100
31) Cyclohexane	5.471	56	177745	42.049	ug/l	97
32) 1,1,1-Trichloroethane	5.385	97	212041	49.638	ug/l	99
36) 1,1-Dichloropropene	5.690	75	169192	44.241	ug/l	98
37) Ethyl Acetate	4.715	43	222660	55.820	ug/l	100
38) Carbon Tetrachloride	5.678	117	165213	45.604	ug/l	98
39) Methylcyclohexane	7.379	83	172294	38.273	ug/l	93
40) Benzene	6.038	78	518651	48.478	ug/l	100

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	4.922	41	128148	54.108	ug/l	96
42) 1,2-Dichloroethane	6.086	62	238709	51.868	ug/l	97
43) Isopropyl Acetate	6.342	43	374630	53.859	ug/l	99
44) Trichloroethene	7.123	130	508798	187.557	ug/l	94
45) 1,2-Dichloropropane	7.428	63	144733	51.079	ug/l	99
46) Dibromomethane	7.580	93	101815	52.494	ug/l	94
47) Bromodichloromethane	7.824	83	197750	52.749	ug/l	99
48) Methyl methacrylate	7.690	41	189295	55.144	ug/l	96
49) 1,4-Dioxane	7.720	88	60863	865.136	ug/l	95
51) 4-Methyl-2-Pentanone	8.574	43	1131138	282.272	ug/l	98
52) Toluene	8.720	92	322756	47.791	ug/l	99
53) t-1,3-Dichloropropene	8.976	75	215519	52.915	ug/l	100
54) cis-1,3-Dichloropropene	8.366	75	227455	52.123	ug/l	96
55) 1,1,2-Trichloroethane	9.153	97	140895	53.118	ug/l	98
56) Ethyl methacrylate	9.116	69	233470	54.352	ug/l	98
57) 1,3-Dichloropropane	9.305	76	250871	52.172	ug/l	99
58) 2-Chloroethyl Vinyl ether	8.244	63	615318	281.585	ug/l	100
59) 2-Hexanone	9.433	43	852911	282.622	ug/l	98
60) Dibromochloromethane	9.519	129	137424	54.352	ug/l	100
61) 1,2-Dibromoethane	9.610	107	147152	52.655	ug/l	99
64) Tetrachloroethene	9.275	164	94683	42.513	ug/l	94
65) Chlorobenzene	10.079	112	342872	47.481	ug/l	99
66) 1,1,1,2-Tetrachloroethane	10.165	131	128519	50.333	ug/l	99
67) Ethyl Benzene	10.195	91	627863	46.230	ug/l	98
68) m/p-Xylenes	10.299	106	465454	92.718	ug/l	96
69) o-Xylene	10.640	106	237470	47.670	ug/l	96
70) Styrene	10.653	104	394704	49.163	ug/l	98
71) Bromoform	10.799	173	90527	53.884	ug/l #	98
73) Isopropylbenzene	10.963	105	592574	45.535	ug/l	98
74) N-amyl acetate	10.842	43	317762	52.370	ug/l	99
75) 1,1,2,2-Tetrachloroethane	11.213	83	216711	51.335	ug/l	98
76) 1,2,3-Trichloropropane	11.238	75	189693m	50.215	ug/l	
77) Bromobenzene	11.195	156	140728	47.644	ug/l	91
78) n-propylbenzene	11.305	91	694056	45.370	ug/l	98
79) 2-Chlorotoluene	11.366	91	444768	46.438	ug/l	98
80) 1,3,5-Trimethylbenzene	11.451	105	511413	46.237	ug/l	98
81) trans-1,4-Dichloro-2-b...	11.018	75	60504	51.619	ug/l	87
82) 4-Chlorotoluene	11.451	91	519099	47.062	ug/l	97
83) tert-Butylbenzene	11.713	119	487608	45.353	ug/l	97
84) 1,2,4-Trimethylbenzene	11.750	105	521849	46.989	ug/l	97
85) sec-Butylbenzene	11.890	105	593340	43.954	ug/l	98
86) p-Isopropyltoluene	12.006	119	503378	45.358	ug/l	97
87) 1,3-Dichlorobenzene	11.969	146	264351	47.112	ug/l	98
88) 1,4-Dichlorobenzene	12.043	146	263922	46.579	ug/l	97
89) n-Butylbenzene	12.329	91	445190	44.098	ug/l	97
90) Hexachloroethane	12.536	117	79102	47.026	ug/l	93
91) 1,2-Dichlorobenzene	12.335	146	259749	47.272	ug/l	98
92) 1,2-Dibromo-3-Chloropr...	12.939	75	51756	55.057	ug/l	90
93) 1,2,4-Trichlorobenzene	13.585	180	155091	46.876	ug/l	97
94) Hexachlorobutadiene	13.725	225	52450	39.940	ug/l	98
95) Naphthalene	13.774	128	583656	51.514	ug/l	100
96) 1,2,3-Trichlorobenzene	13.963	180	153035	47.031	ug/l	99

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

