

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX052721\
 Data File : VX022213.D
 Acq On : 26 May 2021 21:24
 Operator : JC/MD
 Sample : M2526-09MSD
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 27 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 GR-OF-20210525MSD

Manual Integrations
 APPROVED

MMDadoda
 5/28/2021 2:34:30 PM

Quant Time: May 27 04:11:03 2021
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X051921W.M
 Quant Title : SW846 8260
 QLast Update : Wed May 19 14:23:10 2021
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	5.562	168	74414	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.769	114	150983	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	138210	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.024	152	61683	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.964	65	58303	50.79	ug/l	0.00
Spiked Amount	50.000	Range	78 - 117	Recovery	=	101.58%
35) Dibromofluoromethane	5.391	113	46681	48.75	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	=	97.50%
50) Toluene-d8	8.653	98	180889	49.04	ug/l	0.00
Spiked Amount	50.000	Range	92 - 112	Recovery	=	98.08%
62) 4-Bromofluorobenzene	11.085	95	68102	49.96	ug/l	0.00
Spiked Amount	50.000	Range	83 - 123	Recovery	=	99.92%
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.166	85	44077	48.72	ug/l	100
3) Chloromethane	1.294	50	47250	48.42	ug/l	99
4) Vinyl Chloride	1.374	62	51340	49.72	ug/l	99
5) Bromomethane	1.599	94	24419	40.56	ug/l	98
6) Chloroethane	1.679	64	32035	52.10	ug/l	99
7) Trichlorofluoromethane	1.880	101	75115	50.59	ug/l	96
8) Diethyl Ether	2.136	74	31178	48.83	ug/l	88
9) 1,1,2-Trichlorotrifluo...	2.325	101	44265	50.21	ug/l	93
10) Methyl Iodide	2.453	142	48937	51.65	ug/l	95
11) Tert butyl alcohol	2.983	59	77153	293.87	ug/l	100
12) 1,1-Dichloroethene	2.319	96	43313	50.79	ug/l	97
13) Acrolein	2.239	56	43427	249.40	ug/l	99
14) Allyl chloride	2.666	41	83019	53.00	ug/l	96
15) Acrylonitrile	3.075	53	150917	291.98	ug/l	100
16) Acetone	2.392	43	139079	278.26	ug/l	97
17) Carbon Disulfide	2.508	76	99209	44.41	ug/l	99
18) Methyl Acetate	2.715	43	71301	53.64	ug/l	96
19) Methyl tert-butyl Ether	3.123	73	157557	53.93	ug/l	97
20) Methylene Chloride	2.794	84	54707	49.30	ug/l	92
21) trans-1,2-Dichloroethene	3.093	96	48483	52.26	ug/l	99
22) Diisopropyl ether	3.770	45	161956	53.68	ug/l	94
23) Vinyl Acetate	3.733	43	723649	249.11	ug/l	97
24) 1,1-Dichloroethane	3.617	63	94634	53.45	ug/l	99
25) 2-Butanone	4.568	43	235865	291.69	ug/l	94
26) 2,2-Dichloropropane	4.477	77	59575	37.90	ug/l	100
27) cis-1,2-Dichloroethene	4.495	96	58948	52.25	ug/l	99
28) Bromochloromethane	4.910	49	44338	51.62	ug/l	84
29) Tetrahydrofuran	5.019	42	138156	287.06	ug/l	91
30) Chloroform	5.105	83	98228	53.70	ug/l	100
31) Cyclohexane	5.477	56	71603	49.64	ug/l	96
32) 1,1,1-Trichloroethane	5.397	97	81698	52.26	ug/l	98
36) 1,1-Dichloropropene	5.702	75	69643	49.88	ug/l	98
37) Ethyl Acetate	4.721	43	82309	48.09	ug/l	95
38) Carbon Tetrachloride	5.684	117	68103	49.87	ug/l	97
39) Methylcyclohexane	7.385	83	72099	45.53	ug/l	98
40) Benzene	6.044	78	218083	50.77	ug/l	99

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	4.934	41	46708	51.01	ug/l	95
42) 1,2-Dichloroethane	6.098	62	78659	52.27	ug/l	98
43) Isopropyl Acetate	6.354	43	142398	50.87	ug/l	94
44) Trichloroethene	7.129	130	52372	49.06	ug/l	94
45) 1,2-Dichloropropane	7.440	63	58831	53.69	ug/l	97
46) Dibromomethane	7.586	93	39395	52.99	ug/l #	86
47) Bromodichloromethane	7.824	83	77490	52.09	ug/l	97
48) Methyl methacrylate	7.702	41	69596	53.95	ug/l	91
49) 1,4-Dioxane	7.665	88	29894	1190.14	ug/l	96
51) 4-Methyl-2-Pentanone	8.580	43	470624	280.66	ug/l	92
52) Toluene	8.720	92	137248	50.45	ug/l	99
53) t-1,3-Dichloropropene	8.982	75	82486	48.03	ug/l	100
54) cis-1,3-Dichloropropene	8.372	75	89024	48.22	ug/l	96
55) 1,1,2-Trichloroethane	9.153	97	58366	52.85	ug/l	99
56) Ethyl methacrylate	9.122	69	95541	53.53	ug/l #	89
57) 1,3-Dichloropropane	9.311	76	100273	53.18	ug/l	99
59) 2-Hexanone	9.433	43	364359	288.91	ug/l	90
60) Dibromochloromethane	9.525	129	55208	51.38	ug/l	99
61) 1,2-Dibromoethane	9.616	107	59205	53.84	ug/l	99
64) Tetrachloroethene	9.275	164	42822	47.19	ug/l #	91
65) Chlorobenzene	10.079	112	145578	50.60	ug/l	100
66) 1,1,1,2-Tetrachloroethane	10.165	131	51325	51.34	ug/l	98
67) Ethyl Benzene	10.195	91	266209	50.30	ug/l	99
68) m/p-Xylenes	10.305	106	202342	101.16	ug/l	100
69) o-Xylene	10.646	106	98505	50.63	ug/l	98
70) Styrene	10.659	104	170099	53.37	ug/l	99
71) Bromoform	10.805	173	35285	46.17	ug/l #	100
73) Isopropylbenzene	10.963	105	261241	50.04	ug/l	100
74) N-amyl acetate	10.848	43	123394	49.80	ug/l	91
75) 1,1,2,2-Tetrachloroethane	11.213	83	95898	55.42	ug/l	99
76) 1,2,3-Trichloropropane	11.244	75	83988m	55.19	ug/l	
77) Bromobenzene	11.201	156	56747	51.26	ug/l	88
78) n-propylbenzene	11.305	91	310211	50.73	ug/l	99
79) 2-Chlorotoluene	11.366	91	181596	48.96	ug/l	99
80) 1,3,5-Trimethylbenzene	11.457	105	223004	51.54	ug/l	100
81) trans-1,4-Dichloro-2-b...	11.024	75	29004	45.16	ug/l	98
82) 4-Chlorotoluene	11.457	91	210985	49.38	ug/l	97
83) tert-Butylbenzene	11.719	119	207970	50.12	ug/l	93
84) 1,2,4-Trimethylbenzene	11.756	105	222445	51.07	ug/l	100
85) sec-Butylbenzene	11.896	105	269002	51.01	ug/l	98
86) p-Isopropyltoluene	12.012	119	224742	50.46	ug/l	98
87) 1,3-Dichlorobenzene	11.969	146	106992	50.13	ug/l	97
88) 1,4-Dichlorobenzene	12.043	146	106830	48.43	ug/l	95
89) n-Butylbenzene	12.335	91	206819	50.20	ug/l	98
90) Hexachloroethane	12.542	117	36252	49.25	ug/l	75
91) 1,2-Dichlorobenzene	12.341	146	107955	52.66	ug/l	96
92) 1,2-Dibromo-3-Chloropr...	12.945	75	20533	55.45	ug/l	83
93) 1,2,4-Trichlorobenzene	13.591	180	62602	50.61	ug/l	97
94) Hexachlorobutadiene	13.731	225	22372	46.34	ug/l	98
95) Naphthalene	13.780	128	265877	55.11	ug/l	100
96) 1,2,3-Trichlorobenzene	13.963	180	63911	51.25	ug/l	98

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

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