

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX030821\
 Data File : VX021075.D
 Acq On : 08 Mar 2021 20:30
 Operator : JC/MD
 Sample : M1596-03MSD
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 28 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 GR-OF-20210305MSD

Manual Integrations
 APPROVED

MMDadoda
 3/9/2021 3:04:21 PM

Quant Time: Mar 09 01:10:23 2021
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X022421W.M
 Quant Title : SW846 8260
 QLast Update : Wed Feb 24 13:50:55 2021
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	5.623	168	204746	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.829	114	347919	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.094	117	322510	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.065	152	150451	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	6.029	65	132716	47.99	ug/l	0.00
Spiked Amount 50.000	Range 61 - 141		Recovery = 95.98%			
35) Dibromofluoromethane	5.464	113	111823	52.90	ug/l	0.00
Spiked Amount 50.000	Range 69 - 133		Recovery = 105.80%			
50) Toluene-d8	8.694	98	429319	52.09	ug/l	0.00
Spiked Amount 50.000	Range 65 - 126		Recovery = 104.18%			
62) 4-Bromofluorobenzene	11.118	95	158658	52.06	ug/l	0.00
Spiked Amount 50.000	Range 58 - 135		Recovery = 104.12%			
Target Compounds					Qvalue	
2) Dichlorodifluoromethane	1.187	85	97406	44.00	ug/l	99
3) Chloromethane	1.311	50	120313	48.91	ug/l	98
4) Vinyl Chloride	1.393	62	136484	48.20	ug/l	99
5) Bromomethane	1.622	94	48922	51.98	ug/l	100
6) Chloroethane	1.705	64	89416	50.47	ug/l	98
7) Trichlorofluoromethane	1.917	101	176901	49.48	ug/l	100
8) Diethyl Ether	2.170	74	80404	48.47	ug/l	97
9) 1,1,2-Trichlorotrifluo...	2.364	101	103173	46.85	ug/l	99
10) Methyl Iodide	2.493	142	150960	51.02	ug/l	97
11) Tert butyl alcohol	3.017	59	117876	191.40	ug/l	98
12) 1,1-Dichloroethene	2.358	96	108393	47.30	ug/l	97
13) Acrolein	2.270	56	90120	236.32	ug/l	99
14) Allyl chloride	2.705	41	168036	44.87	ug/l	98
15) Acrylonitrile	3.111	53	304365	231.62	ug/l	98
16) Acetone	2.417	43	236853	207.85	ug/l	98
17) Carbon Disulfide	2.552	76	293583	44.96	ug/l	99
18) Methyl Acetate	2.746	43	114412	42.45	ug/l	98
19) Methyl tert-butyl Ether	3.164	73	390777	47.74	ug/l	100
20) Methylene Chloride	2.834	84	130736	47.82	ug/l	99
21) trans-1,2-Dichloroethene	3.140	96	122765	47.70	ug/l	98
22) Diisopropyl ether	3.823	45	358096	47.56	ug/l	95
23) Vinyl Acetate	3.782	43	1358430	210.97	ug/l	98
24) 1,1-Dichloroethane	3.670	63	218990	49.38	ug/l	100
25) 2-Butanone	4.629	43	382377	220.88	ug/l	100
26) 2,2-Dichloropropane	4.552	77	160536	39.86	ug/l	98
27) cis-1,2-Dichloroethene	4.564	96	148294	50.00	ug/l	98
28) Bromochloromethane	4.976	49	93257	49.16	ug/l	97
29) Tetrahydrofuran	5.082	42	249102	224.18	ug/l	100
30) Chloroform	5.176	83	223623	50.05	ug/l	98
31) Cyclohexane	5.546	56	187427	46.81	ug/l	96
32) 1,1,1-Trichloroethane	5.464	97	190534	48.96	ug/l	99
36) 1,1-Dichloropropene	5.770	75	167601	50.68	ug/l	99
37) Ethyl Acetate	4.793	43	138353	43.98	ug/l	100
38) Carbon Tetrachloride	5.758	117	160529	50.10	ug/l	100
39) Methylcyclohexane	7.441	83	198704	47.92	ug/l	97
40) Benzene	6.111	78	503783	50.83	ug/l	99

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	4.999	41	85972	48.59	ug/l	99
42) 1,2-Dichloroethane	6.158	62	175442	53.23	ug/l	99
43) Isopropyl Acetate	6.405	43	240624	44.97	ug/l	100
44) Trichloroethene	7.188	130	145162	55.70	ug/l	97
45) 1,2-Dichloropropane	7.488	63	131202	52.82	ug/l	97
46) Dibromomethane	7.635	93	87996	52.60	ug/l	99
47) Bromodichloromethane	7.876	83	184357	52.92	ug/l	99
48) Methyl methacrylate	7.747	41	132298	49.28	ug/l	99
49) 1,4-Dioxane	7.711	88	57844	923.10	ug/l	96
51) 4-Methyl-2-Pentanone	8.617	43	774737	248.64	ug/l	99
52) Toluene	8.765	92	330077	53.47	ug/l	98
53) t-1,3-Dichloropropene	9.023	75	197037	50.43	ug/l	98
54) cis-1,3-Dichloropropene	8.412	75	214549	50.13	ug/l	100
55) 1,1,2-Trichloroethane	9.194	97	134761	55.25	ug/l	97
56) Ethyl methacrylate	9.159	69	202336	51.24	ug/l	99
57) 1,3-Dichloropropane	9.353	76	225693	53.94	ug/l	100
59) 2-Hexanone	9.470	43	569607	243.65	ug/l	100
60) Dibromochloromethane	9.565	129	146999	57.11	ug/l	98
61) 1,2-Dibromoethane	9.653	107	139319	54.48	ug/l	99
64) Tetrachloroethene	9.318	164	134151	57.63	ug/l	97
65) Chlorobenzene	10.118	112	357870	52.71	ug/l	99
66) 1,1,1,2-Tetrachloroethane	10.206	131	128640	51.35	ug/l	98
67) Ethyl Benzene	10.235	91	625687	50.81	ug/l	99
68) m/p-Xylenes	10.341	106	480458	106.03	ug/l	97
69) o-Xylene	10.682	106	236690	53.52	ug/l	94
70) Styrene	10.694	104	397080	52.33	ug/l	99
71) Bromoform	10.841	173	107737	55.66	ug/l #	99
73) Isopropylbenzene	11.000	105	616546	51.89	ug/l	99
74) N-amyl acetate	10.882	43	202253	42.03	ug/l	98
75) 1,1,2,2-Tetrachloroethane	11.253	83	188578	49.23	ug/l	99
76) 1,2,3-Trichloropropane	11.277	75	157521m	48.67	ug/l	
77) Bromobenzene	11.241	156	145586	52.64	ug/l	97
78) n-propylbenzene	11.341	91	693921	51.21	ug/l	100
79) 2-Chlorotoluene	11.406	91	415672	50.62	ug/l	100
80) 1,3,5-Trimethylbenzene	11.488	105	502302	50.79	ug/l	94
81) trans-1,4-Dichloro-2-b...	11.059	75	61790	42.27	ug/l	98
82) 4-Chlorotoluene	11.494	91	476043	50.30	ug/l	100
83) tert-Butylbenzene	11.753	119	486945	50.62	ug/l	97
84) 1,2,4-Trimethylbenzene	11.788	105	510098	50.82	ug/l	98
85) sec-Butylbenzene	11.930	105	574887	50.71	ug/l	99
86) p-Isopropyltoluene	12.047	119	522212	50.26	ug/l	99
87) 1,3-Dichlorobenzene	12.006	146	266631	53.87	ug/l	99
88) 1,4-Dichlorobenzene	12.083	146	270084	53.56	ug/l	99
89) n-Butylbenzene	12.371	91	448970	48.40	ug/l	99
90) Hexachloroethane	12.583	117	97691	49.25	ug/l	91
91) 1,2-Dichlorobenzene	12.377	146	261004	54.02	ug/l	99
92) 1,2-Dibromo-3-Chloropr...	12.983	75	39838	45.42	ug/l	98
93) 1,2,4-Trichlorobenzene	13.630	180	172880	55.78	ug/l	96
94) Hexachlorobutadiene	13.765	225	60330	48.60	ug/l	97
95) Naphthalene	13.818	128	560713	50.82	ug/l	99
96) 1,2,3-Trichlorobenzene	14.001	180	163299	53.06	ug/l	99

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

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