

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD052121\
 Data File : VD069246.D
 Acq On : 21 May 2021 18:54
 Operator : VA/SY
 Sample : M2472-12MS
 Misc : 5.14G/5.00ml/MSVOA_D/SOIL
 ALS Vial : 17 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 BP-VPB-RW8-GW-938-940MS

Manual Integrations
 APPROVED

MMDadoda
 5/24/2021 3:44:02 PM

Quant Time: May 22 00:36:26 2021
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_D\Method\82D051221S.M
 Quant Title : SW846 8260
 QLast Update : Thu May 13 04:01:29 2021
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	7.979	168	81241	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.867	114	144284	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.643	117	127755	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.567	152	37432	50.00	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.332	65	68663	84.31	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	= 168.62%#	
35) Dibromofluoromethane	7.914	113	62417	66.47	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	= 132.94%	
50) Toluene-d8	10.338	98	174086	50.46	ug/l	0.00
Spiked Amount	50.000	Range	49 - 140	Recovery	= 100.92%	
62) 4-Bromofluorobenzene	12.626	95	46275	41.68	ug/l	0.00
Spiked Amount	50.000	Range	25 - 144	Recovery	= 83.36%	

Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.991	85	45607	52.80	ug/l	98
3) Chloromethane	2.209	50	67280	67.77	ug/l	95
4) Vinyl Chloride	2.338	62	84165	64.32	ug/l	96
5) Bromomethane	2.756	94	54959	55.84	ug/l	99
6) Chloroethane	2.909	64	55217	65.60	ug/l	100
7) Trichlorofluoromethane	3.262	101	102564	64.25	ug/l	94
8) Diethyl Ether	3.709	74	31193	85.59	ug/l	90
9) 1,1,2-Trichlorotrifluo...	4.091	101	48995	54.16	ug/l	95
10) Methyl Iodide	4.291	142	38932	41.51	ug/l	100
11) Tert butyl alcohol	5.226	59	29674	782.94	ug/l	96
12) 1,1-Dichloroethene	4.061	96	45299	55.73	ug/l	86
13) Acrolein	3.920	56	37663	568.37	ug/l	98
14) Allyl chloride	4.709	41	56100	62.92	ug/l	90
15) Acrylonitrile	5.420	53	89106	655.12	ug/l	99
16) Acetone	4.156	43	77476	621.12	ug/l	96
17) Carbon Disulfide	4.397	76	134195	49.80	ug/l	96
18) Methyl Acetate	4.714	43	41416	136.66	ug/l	98
19) Methyl tert-butyl Ether	5.485	73	138921	94.18	ug/l	95
20) Methylene Chloride	4.956	84	82276	87.96	ug/l	92
21) trans-1,2-Dichloroethene	5.473	96	55165	57.24	ug/l	89
22) Diisopropyl ether	6.361	45	138048	77.52	ug/l	99
23) Vinyl Acetate	6.308	43	524487	499.07	ug/l	99
24) 1,1-Dichloroethane	6.256	63	100064	65.05	ug/l	98
25) 2-Butanone	7.214	43	110710	654.98	ug/l	93
26) 2,2-Dichloropropane	7.208	77	79401	55.19	ug/l	97
27) cis-1,2-Dichloroethene	7.208	96	64032	61.19	ug/l	98
28) Bromochloromethane	7.544	49	49958	91.09	ug/l	97
29) Tetrahydrofuran	7.561	42	65364	711.39	ug/l	94
30) Chloroform	7.708	83	116001	66.98	ug/l	99
31) Cyclohexane	7.985	56	46356	38.41	ug/l	97
32) 1,1,1-Trichloroethane	7.902	97	88652	56.41	ug/l	97
36) 1,1-Dichloropropene	8.114	75	64552	46.02	ug/l	98
37) Ethyl Acetate	7.297	43	53189	118.02	ug/l	100
38) Carbon Tetrachloride	8.097	117	73863	47.10	ug/l	95
39) Methylcyclohexane	9.349	83	38803	26.23	ug/l	94
40) Benzene	8.350	78	227242	56.55	ug/l	97

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.520	41	26396m	110.03	ug/l	
42) 1,2-Dichloroethane	8.420	62	88089	80.29	ug/l	99
43) Isopropyl Acetate	8.455	43	85905	104.96	ug/l	97
44) Trichloroethene	9.108	130	51646	45.99	ug/l	99
45) 1,2-Dichloropropane	9.391	63	60576	63.87	ug/l	100
46) Dibromomethane	9.473	93	46638	82.26	ug/l	99
47) Bromodichloromethane	9.655	83	94796	65.71	ug/l #	96
48) Methyl methacrylate	9.455	41	38212	100.97	ug/l	97
49) 1,4-Dioxane	9.461	88	14563	2658.94	ug/l	95
51) 4-Methyl-2-Pentanone	10.226	43	244984	581.80	ug/l	100
52) Toluene	10.402	92	131922	50.87	ug/l	98
53) t-1,3-Dichloropropene	10.620	75	83356	65.75	ug/l	96
54) cis-1,3-Dichloropropene	10.085	75	87174	57.53	ug/l	94
55) 1,1,2-Trichloroethane	10.796	97	64107	83.89	ug/l	99
56) Ethyl methacrylate	10.661	69	64380	76.51	ug/l	95
57) 1,3-Dichloropropane	10.944	76	100279	81.20	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.944	63	19068	50.41	ug/l	96
59) 2-Hexanone	10.979	43	168314	599.01	ug/l	99
60) Dibromochloromethane	11.138	129	71829	73.19	ug/l	99
61) 1,2-Dibromoethane	11.243	107	61168	80.99	ug/l	98
64) Tetrachloroethene	10.873	164	34693	39.07	ug/l	96
65) Chlorobenzene	11.667	112	125626	47.45	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.738	131	60739	60.83	ug/l	99
67) Ethyl Benzene	11.743	91	182998	40.16	ug/l	92
68) m/p-Xylenes	11.849	106	144900	81.14	ug/l	100
69) o-Xylene	12.179	106	68522	43.15	ug/l	100
70) Styrene	12.190	104	82784	29.86	ug/l	97
71) Bromoform	12.355	173	41648	80.19	ug/l #	98
73) Isopropylbenzene	12.473	105	149450	57.12	ug/l	100
74) N-amyl acetate	12.285	43	62215	145.41	ug/l	98
75) 1,1,2,2-Tetrachloroethane	12.726	83	78283	165.12	ug/l	100
76) 1,2,3-Trichloropropane	12.773	75	56170m	199.62	ug/l	
77) Bromobenzene	12.755	156	45242	72.87	ug/l	72
78) n-propylbenzene	12.814	91	162760	51.56	ug/l	100
79) 2-Chlorotoluene	12.902	91	97468	55.50	ug/l	97
80) 1,3,5-Trimethylbenzene	12.955	105	102880	47.69	ug/l	98
81) trans-1,4-Dichloro-2-b...	12.526	75	19966	143.33	ug/l	98
82) 4-Chlorotoluene	13.002	91	99028	52.92	ug/l	98
83) tert-Butylbenzene	13.214	119	97151	54.05	ug/l	98
84) 1,2,4-Trimethylbenzene	13.261	105	111139	51.21	ug/l	99
85) sec-Butylbenzene	13.396	105	108335	40.08	ug/l	98
86) p-Isopropyltoluene	13.508	119	94319	39.71	ug/l	98
87) 1,3-Dichlorobenzene	13.508	146	55714	44.34	ug/l	97
88) 1,4-Dichlorobenzene	13.590	146	56872	45.70	ug/l	96
89) n-Butylbenzene	13.837	91	71973	32.53	ug/l	96
90) Hexachloroethane	14.102	117	22245	49.98	ug/l	99
91) 1,2-Dichlorobenzene	13.885	146	55286	51.24	ug/l	98
92) 1,2-Dibromo-3-Chloropr...	14.496	75	10954	148.86	ug/l	97
93) 1,2,4-Trichlorobenzene	15.149	180	12171	18.41	ug/l	92
94) Hexachlorobutadiene	15.255	225	7919	19.95	ug/l	98
95) Naphthalene	15.390	128	39006	32.58	ug/l	98
96) 1,2,3-Trichlorobenzene	15.584	180	10831	19.15	ug/l	97

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

