

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD050321\
 Data File : VD069044.D
 Acq On : 03 May 2021 16:16
 Operator : VA/SY
 Sample : VD0503SBS01
 Misc : 5.00G/5.00ml/MSVOA_D/SOIL
 ALS Vial : 12 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0503SBS01

Manual Integrations
 APPROVED

MMDadoda
 5/4/2021 5:35:25 PM

Quant Time: May 04 04:12:33 2021
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_D\Method\82D050321S.M
 Quant Title : SW846 8260
 QLast Update : Tue May 04 03:51:01 2021
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	7.979	168	214433	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.861	114	381861	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.643	117	364393	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.567	152	180690	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.326	65	144751	53.45	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery = 106.90%			
35) Dibromofluoromethane	7.914	113	132157	52.33	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery = 104.66%			
50) Toluene-d8	10.338	98	497130	53.15	ug/l	0.00
Spiked Amount 50.000	Range 49 - 140		Recovery = 106.30%			
62) 4-Bromofluorobenzene	12.626	95	163937	51.92	ug/l	0.00
Spiked Amount 50.000	Range 25 - 144		Recovery = 103.84%			
Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.985	85	56085	21.90	ug/l	97
3) Chloromethane	2.209	50	68049	21.25	ug/l	97
4) Vinyl Chloride	2.344	62	85339	21.34	ug/l	98
5) Bromomethane	2.744	94	56595	25.16	ug/l	99
6) Chloroethane	2.903	64	51759	23.39	ug/l	91
7) Trichlorofluoromethane	3.256	101	112299	24.93	ug/l	91
8) Diethyl Ether	3.709	74	22735	20.28	ug/l	94
9) 1,1,2-Trichlorotrifluo...	4.091	101	51436	20.97	ug/l	95
10) Methyl Iodide	4.285	142	33382	15.27	ug/l	91
11) Tert butyl alcohol	5.232	59	21740m	119.53	ug/l	
12) 1,1-Dichloroethene	4.056	96	45548	20.31	ug/l	87
13) Acrolein	3.920	56	18347	101.96	ug/l	93
14) Allyl chloride	4.703	41	58613	19.68	ug/l	93
15) Acrylonitrile	5.414	53	49398	98.80	ug/l	96
16) Acetone	4.156	43	41263	96.16	ug/l	90
17) Carbon Disulfide	4.397	76	153610	20.58	ug/l	98
18) Methyl Acetate	4.720	43	21911	19.42	ug/l	90
19) Methyl tert-butyl Ether	5.473	73	101755	19.53	ug/l	93
20) Methylene Chloride	4.956	84	63555	18.82	ug/l #	89
21) trans-1,2-Dichloroethene	5.467	96	52790	19.87	ug/l #	78
22) Diisopropyl ether	6.361	45	137715	20.83	ug/l	93
23) Vinyl Acetate	6.308	43	373133	97.98	ug/l #	92
24) 1,1-Dichloroethane	6.261	63	93466	20.52	ug/l	100
25) 2-Butanone	7.214	43	57464	95.05	ug/l	94
26) 2,2-Dichloropropane	7.197	77	83005	19.88	ug/l	98
27) cis-1,2-Dichloroethene	7.208	96	57889	20.28	ug/l	92
28) Bromochloromethane	7.544	49	37487	19.68	ug/l	86
29) Tetrahydrofuran	7.561	42	38316	99.57	ug/l	89
30) Chloroform	7.703	83	102676	20.60	ug/l	92
31) Cyclohexane	7.985	56	76784	19.27	ug/l	88
32) 1,1,1-Trichloroethane	7.902	97	95130	20.90	ug/l	99
36) 1,1-Dichloropropene	8.108	75	77062	20.29	ug/l	98
37) Ethyl Acetate	7.285	43	28192	19.10	ug/l #	93
38) Carbon Tetrachloride	8.097	117	83822	20.56	ug/l	98
39) Methylcyclohexane	9.349	83	86336	19.97	ug/l	97
40) Benzene	8.350	78	216088	19.92	ug/l	99

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.538	41	18725m	22.04	ug/l	
42) 1,2-Dichloroethane	8.420	62	68171	19.85	ug/l	94
43) Isopropyl Acetate	8.455	43	54227	18.98	ug/l	96
44) Trichloroethene	9.114	130	56440	20.01	ug/l	99
45) 1,2-Dichloropropane	9.385	63	51557	19.31	ug/l	97
46) Dibromomethane	9.473	93	30226	19.44	ug/l	98
47) Bromodichloromethane	9.661	83	80923	19.65	ug/l	98
48) Methyl methacrylate	9.455	41	25134	18.30	ug/l	93
49) 1,4-Dioxane	9.449	88	6663	362.28	ug/l	98
51) 4-Methyl-2-Pentanone	10.226	43	139630	95.63	ug/l	90
52) Toluene	10.402	92	137832	20.04	ug/l	99
53) t-1,3-Dichloropropene	10.620	75	70506	19.44	ug/l	99
54) cis-1,3-Dichloropropene	10.091	75	82536	19.82	ug/l #	91
55) 1,1,2-Trichloroethane	10.802	97	39555	19.24	ug/l	95
56) Ethyl methacrylate	10.655	69	42395	18.68	ug/l #	77
57) 1,3-Dichloropropane	10.944	76	67630	19.07	ug/l	97
58) 2-Chloroethyl Vinyl ether	9.944	63	116211	95.38	ug/l	100
59) 2-Hexanone	10.979	43	92755	93.67	ug/l	92
60) Dibromochloromethane	11.138	129	53556	20.15	ug/l	98
61) 1,2-Dibromoethane	11.243	107	38470	19.41	ug/l	99
64) Tetrachloroethene	10.873	164	45216	20.15	ug/l	91
65) Chlorobenzene	11.667	112	148072	20.16	ug/l	100
66) 1,1,1,2-Tetrachloroethane	11.738	131	54943	19.65	ug/l	98
67) Ethyl Benzene	11.743	91	259520	19.74	ug/l	97
68) m/p-Xylenes	11.849	106	200674	40.75	ug/l	97
69) o-Xylene	12.179	106	86169	19.31	ug/l	92
70) Styrene	12.191	104	159275	20.27	ug/l	97
71) Bromoform	12.355	173	28196	19.83	ug/l #	99
73) Isopropylbenzene	12.473	105	245618	19.63	ug/l	97
74) N-amyl acetate	12.285	43	52195	19.13	ug/l	90
75) 1,1,2,2-Tetrachloroethane	12.726	83	47048	19.49	ug/l	99
76) 1,2,3-Trichloropropane	12.779	75	34722m	20.13	ug/l	
77) Bromobenzene	12.755	156	56594	19.77	ug/l	94
78) n-propylbenzene	12.814	91	304197	19.89	ug/l	100
79) 2-Chlorotoluene	12.902	91	170378	19.95	ug/l	99
80) 1,3,5-Trimethylbenzene	12.955	105	207261	19.52	ug/l	99
81) trans-1,4-Dichloro-2-b...	12.520	75	13477	18.50	ug/l #	83
82) 4-Chlorotoluene	13.002	91	182787	19.83	ug/l	98
83) tert-Butylbenzene	13.220	119	173255	19.72	ug/l	97
84) 1,2,4-Trimethylbenzene	13.261	105	216624	20.10	ug/l	98
85) sec-Butylbenzene	13.396	105	245662	19.48	ug/l	98
86) p-Isopropyltoluene	13.508	119	226121	19.67	ug/l	96
87) 1,3-Dichlorobenzene	13.514	146	113875	19.58	ug/l	95
88) 1,4-Dichlorobenzene	13.590	146	112821	19.54	ug/l	97
89) n-Butylbenzene	13.837	91	210711	19.11	ug/l	98
90) Hexachloroethane	14.108	117	46841	20.07	ug/l	93
91) 1,2-Dichlorobenzene	13.879	146	101369	20.27	ug/l	98
92) 1,2-Dibromo-3-Chloropr...	14.502	75	7020	17.18	ug/l	79
93) 1,2,4-Trichlorobenzene	15.155	180	58157	19.02	ug/l	99
94) Hexachlorobutadiene	15.261	225	31974	18.57	ug/l	94
95) Naphthalene	15.390	128	105065	18.25	ug/l	98
96) 1,2,3-Trichlorobenzene	15.584	180	49881	18.73	ug/l	98

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

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