

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD071321\
 Data File : VD069674.D
 Acq On : 13 Jul 2021 17:05
 Operator : VA/SY
 Sample : VD0713SBS02
 Misc : 5.00G/5.00ml/MSVOA_D/SOIL
 ALS Vial : 16 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0713SBS02

Manual Integrations
 APPROVED

MMDadoda
 7/15/2021 5:31:32 PM

Quant Time: Jul 14 06:07:30 2021
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_D\Method\82D071321S.M
 Quant Title : SW846 8260
 QLast Update : Wed Jul 14 06:00:31 2021
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	7.979	168	676397	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.861	114	1212356	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.638	117	1119237	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.567	152	506188	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.332	65	411550	48.729	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery = 97.460%			
35) Dibromofluoromethane	7.914	113	407093	50.052	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery = 100.100%			
50) Toluene-d8	10.338	98	1645158	52.064	ug/l	0.00
Spiked Amount 50.000	Range 49 - 140		Recovery = 104.120%			
62) 4-Bromofluorobenzene	12.626	95	558181	52.966	ug/l	0.00
Spiked Amount 50.000	Range 25 - 144		Recovery = 105.940%			
Target Compounds					Qvalue	
2) Dichlorodifluoromethane	1.985	85	91878	13.629	ug/l	96
3) Chloromethane	2.209	50	136646	14.106	ug/l	100
4) Vinyl Chloride	2.350	62	156444	15.205	ug/l	98
5) Bromomethane	2.750	94	111518	16.386	ug/l	95
6) Chloroethane	2.915	64	106660	16.202	ug/l	97
7) Trichlorofluoromethane	3.267	101	225056	17.345	ug/l	95
8) Diethyl Ether	3.709	74	63753	16.841	ug/l	99
9) 1,1,2-Trichlorotrifluo...	4.091	101	136710	16.990	ug/l	98
10) Methyl Iodide	4.303	142	109890	14.882	ug/l	98
11) Tert butyl alcohol	5.185	59	154807	137.190	ug/l #	83
12) 1,1-Dichloroethene	4.067	96	123236	16.706	ug/l	98
13) Acrolein	3.926	56	55556	95.414	ug/l	96
14) Allyl chloride	4.709	41	192987	16.932	ug/l	99
15) Acrylonitrile	5.426	53	138131	80.466	ug/l	98
16) Acetone	4.156	43	134185	83.423	ug/l	98
17) Carbon Disulfide	4.409	76	344066	13.538	ug/l	99
18) Methyl Acetate	4.720	43	105852	22.392	ug/l	99
19) Methyl tert-butyl Ether	5.479	73	248179	15.893	ug/l	99
20) Methylene Chloride	4.961	84	319448	23.861	ug/l	98
21) trans-1,2-Dichloroethene	5.473	96	142898	16.222	ug/l	99
22) Diisopropyl ether	6.361	45	384523	16.278	ug/l	99
23) Vinyl Acetate	6.308	43	866266	76.616	ug/l	100
24) 1,1-Dichloroethane	6.267	63	282382	17.131	ug/l	97
25) 2-Butanone	7.214	43	176338	88.340	ug/l	98
26) 2,2-Dichloropropane	7.203	77	240100	18.257	ug/l	98
27) cis-1,2-Dichloroethene	7.214	96	162615	17.113	ug/l	98
28) Bromochloromethane	7.538	49	101865	16.013	ug/l	100
29) Tetrahydrofuran	7.561	42	96737	78.220	ug/l	97
30) Chloroform	7.708	83	284760	17.366	ug/l	98
31) Cyclohexane	7.979	56	214144	15.191	ug/l #	92
32) 1,1,1-Trichloroethane	7.902	97	244844	17.610	ug/l	99
36) 1,1-Dichloropropene	8.108	75	214492	17.149	ug/l	98
37) Ethyl Acetate	7.291	43	81182	17.159	ug/l	97
38) Carbon Tetrachloride	8.097	117	199533	17.422	ug/l	96
39) Methylcyclohexane	9.349	83	207228	15.285	ug/l	99
40) Benzene	8.350	78	624016	17.298	ug/l	100

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.514	41	45419	18.524	ug/l	92
42) 1,2-Dichloroethane	8.420	62	166092	16.963	ug/l	100
43) Isopropyl Acetate	8.450	43	149244	17.226	ug/l	99
44) Trichloroethene	9.114	130	152828	17.471	ug/l	97
45) 1,2-Dichloropropane	9.385	63	164856	17.387	ug/l	98
46) Dibromomethane	9.473	93	78667	16.999	ug/l	99
47) Bromodichloromethane	9.655	83	211801	17.269	ug/l	95
48) Methyl methacrylate	9.455	41	69035	16.114	ug/l #	90
49) 1,4-Dioxane	9.455	88	14952	309.530	ug/l	98
51) 4-Methyl-2-Pentanone	10.226	43	398248	88.763	ug/l	99
52) Toluene	10.396	92	385894	17.784	ug/l	99
53) t-1,3-Dichloropropene	10.614	75	182978	17.747	ug/l	96
54) cis-1,3-Dichloropropene	10.085	75	228535	18.051	ug/l	99
55) 1,1,2-Trichloroethane	10.796	97	114407	17.673	ug/l	98
56) Ethyl methacrylate	10.655	69	123384	16.086	ug/l	99
57) 1,3-Dichloropropane	10.938	76	199360	17.444	ug/l	98
58) 2-Chloroethyl Vinyl ether	9.938	63	312554	90.984	ug/l	99
59) 2-Hexanone	10.979	43	264619	88.487	ug/l	98
60) Dibromochloromethane	11.138	129	133089	17.623	ug/l	98
61) 1,2-Dibromoethane	11.243	107	104114	17.335	ug/l	97
64) Tetrachloroethene	10.873	164	123956	18.136	ug/l	98
65) Chlorobenzene	11.667	112	402264	17.991	ug/l	97
66) 1,1,1,2-Tetrachloroethane	11.738	131	143100	17.917	ug/l	99
67) Ethyl Benzene	11.738	91	706818	17.852	ug/l	100
68) m/p-Xylenes	11.849	106	546145	36.478	ug/l	100
69) o-Xylene	12.173	106	242603	17.795	ug/l	99
70) Styrene	12.191	104	428621	18.016	ug/l	100
71) Bromoform	12.355	173	70127	18.110	ug/l #	99
73) Isopropylbenzene	12.473	105	676506	18.769	ug/l	98
74) N-amyl acetate	12.279	43	140663	17.960	ug/l	100
75) 1,1,2,2-Tetrachloroethane	12.720	83	130498	18.177	ug/l	99
76) 1,2,3-Trichloropropane	12.773	75	104274m	21.205	ug/l	
77) Bromobenzene	12.755	156	143136	17.900	ug/l	96
78) n-propylbenzene	12.814	91	862358	18.870	ug/l	99
79) 2-Chlorotoluene	12.902	91	495496	18.442	ug/l	99
80) 1,3,5-Trimethylbenzene	12.949	105	581591	19.025	ug/l	98
81) trans-1,4-Dichloro-2-b...	12.520	75	33772	18.457	ug/l	98
82) 4-Chlorotoluene	12.996	91	528179	18.734	ug/l	99
83) tert-Butylbenzene	13.214	119	462148	18.543	ug/l	100
84) 1,2,4-Trimethylbenzene	13.255	105	564956	18.626	ug/l	99
85) sec-Butylbenzene	13.390	105	723507	18.472	ug/l	100
86) p-Isopropyltoluene	13.508	119	607852	19.054	ug/l	100
87) 1,3-Dichlorobenzene	13.508	146	303341	18.266	ug/l	99
88) 1,4-Dichlorobenzene	13.585	146	302763	18.256	ug/l	99
89) n-Butylbenzene	13.832	91	595473	18.840	ug/l	99
90) Hexachloroethane	14.102	117	111846	17.229	ug/l	98
91) 1,2-Dichlorobenzene	13.879	146	260352	18.182	ug/l	99
92) 1,2-Dibromo-3-Chloropr...	14.490	75	18872	17.649	ug/l	96
93) 1,2,4-Trichlorobenzene	15.149	180	148383	18.639	ug/l	98
94) Hexachlorobutadiene	15.249	225	86295	17.980	ug/l	98
95) Naphthalene	15.384	128	251866	17.240	ug/l	99
96) 1,2,3-Trichlorobenzene	15.579	180	128003	18.719	ug/l	97

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

