

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD071621\
 Data File : VD069720.D
 Acq On : 16 Jul 2021 12:41
 Operator : VA/SY
 Sample : VD0716SBS01
 Misc : 5.00G/5.00ml/MSVOA_D/SOIL
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0716SBS01

Manual Integrations
 APPROVED

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 7/19/2021 5:52:27 PM

Quant Time: Jul 16 16:14:49 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	7.973	168	583163	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.861	114	1064835	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.638	117	1005523	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.567	152	462131	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.326	65	384078	52.747	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	=	105.500%
35) Dibromofluoromethane	7.909	113	371840	52.051	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	=	104.100%
50) Toluene-d8	10.338	98	1469207	52.938	ug/l	0.00
Spiked Amount	50.000	Range	49 - 140	Recovery	=	105.880%
62) 4-Bromofluorobenzene	12.626	95	495998	53.586	ug/l	0.00
Spiked Amount	50.000	Range	25 - 144	Recovery	=	107.180%
Target Compounds						
						Qvalue
2) Dichlorodifluoromethane	1.985	85	85372	14.640	ug/l	95
3) Chloromethane	2.209	50	133705	16.048	ug/l	98
4) Vinyl Chloride	2.344	62	151181	17.043	ug/l	98
5) Bromomethane	2.750	94	103593	17.793	ug/l	96
6) Chloroethane	2.909	64	104853	18.474	ug/l	96
7) Trichlorofluoromethane	3.268	101	211748	18.928	ug/l	98
8) Diethyl Ether	3.709	74	61608	18.876	ug/l	98
9) 1,1,2-Trichlorotrifluo...	4.097	101	133310	19.216	ug/l	98
10) Methyl Iodide	4.297	142	103578	16.040	ug/l	99
11) Tert butyl alcohol	5.179	59	138135	141.987	ug/l #	79
12) 1,1-Dichloroethene	4.062	96	118734	18.669	ug/l	99
13) Acrolein	3.921	56	45488	90.613	ug/l	93
14) Allyl chloride	4.709	41	185423	18.869	ug/l	99
15) Acrylonitrile	5.420	53	141653	95.710	ug/l	97
16) Acetone	4.156	43	134964	95.668	ug/l	97
17) Carbon Disulfide	4.403	76	323490	14.724	ug/l	98
18) Methyl Acetate	4.715	43	114024	29.733	ug/l	100
19) Methyl tert-butyl Ether	5.468	73	250686	18.620	ug/l	92
20) Methylene Chloride	4.962	84	241673	20.182	ug/l	98
21) trans-1,2-Dichloroethene	5.468	96	140115	18.449	ug/l	95
22) Diisopropyl ether	6.362	45	387925	19.048	ug/l	98
23) Vinyl Acetate	6.303	43	830710	83.486	ug/l	99
24) 1,1-Dichloroethane	6.256	63	287643	20.240	ug/l	98
25) 2-Butanone	7.209	43	181068	105.212	ug/l	93
26) 2,2-Dichloropropane	7.209	77	232707	20.523	ug/l	99
27) cis-1,2-Dichloroethene	7.209	96	160971	19.648	ug/l	97
28) Bromochloromethane	7.550	49	99635	18.166	ug/l	99
29) Tetrahydrofuran	7.562	42	102011	95.672	ug/l	99
30) Chloroform	7.709	83	290130	20.523	ug/l	96
31) Cyclohexane	7.979	56	195652	16.075	ug/l #	93
32) 1,1,1-Trichloroethane	7.903	97	240882	20.095	ug/l	99
36) 1,1-Dichloropropene	8.109	75	201891	18.378	ug/l	100
37) Ethyl Acetate	7.291	43	84466	20.327	ug/l #	95
38) Carbon Tetrachloride	8.097	117	193922	19.278	ug/l	97
39) Methylcyclohexane	9.350	83	180070	15.143	ug/l	99
40) Benzene	8.350	78	629227	19.859	ug/l	99

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.520	41	45677	21.210	ug/l #	91
42) 1,2-Dichloroethane	8.420	62	175243	20.377	ug/l	98
43) Isopropyl Acetate	8.450	43	156527	20.569	ug/l	100
44) Trichloroethene	9.109	130	149753	19.491	ug/l	98
45) 1,2-Dichloropropane	9.385	63	168349	20.215	ug/l	96
46) Dibromomethane	9.473	93	83602	20.569	ug/l	100
47) Bromodichloromethane	9.661	83	221082	20.523	ug/l	96
48) Methyl methacrylate	9.456	41	72553	19.065	ug/l	95
49) 1,4-Dioxane	9.456	88	15600	349.713	ug/l	98
51) 4-Methyl-2-Pentanone	10.226	43	419598	106.478	ug/l	100
52) Toluene	10.397	92	388973	20.410	ug/l	99
53) t-1,3-Dichloropropene	10.614	75	194543	21.483	ug/l	93
54) cis-1,3-Dichloropropene	10.085	75	232627	20.919	ug/l	98
55) 1,1,2-Trichloroethane	10.797	97	122721	21.584	ug/l	96
56) Ethyl methacrylate	10.656	69	124926	18.290	ug/l	96
57) 1,3-Dichloropropane	10.944	76	210014	20.922	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.938	63	315685	103.223	ug/l	98
59) 2-Hexanone	10.979	43	272595	103.782	ug/l	99
60) Dibromochloromethane	11.138	129	139483	21.029	ug/l	98
61) 1,2-Dibromoethane	11.238	107	110880	21.019	ug/l	100
64) Tetrachloroethene	10.873	164	122766	19.993	ug/l	96
65) Chlorobenzene	11.667	112	412813	20.551	ug/l	98
66) 1,1,1,2-Tetrachloroethane	11.738	131	150708	21.003	ug/l	99
67) Ethyl Benzene	11.738	91	696897	19.592	ug/l	98
68) m/p-Xylenes	11.850	106	538553	40.039	ug/l	99
69) o-Xylene	12.173	106	235975	19.266	ug/l	100
70) Styrene	12.191	104	429667	20.102	ug/l	100
71) Bromoform	12.355	173	74912	21.533	ug/l #	97
73) Isopropylbenzene	12.473	105	643263	19.549	ug/l	99
74) N-amyl acetate	12.279	43	143046	20.005	ug/l	98
75) 1,1,2,2-Tetrachloroethane	12.720	83	139235	21.243	ug/l	99
76) 1,2,3-Trichloropropane	12.773	75	96643m	21.527	ug/l	
77) Bromobenzene	12.755	156	151642	20.772	ug/l	99
78) n-propylbenzene	12.814	91	834071	19.990	ug/l	100
79) 2-Chlorotoluene	12.902	91	486259	19.824	ug/l	99
80) 1,3,5-Trimethylbenzene	12.949	105	558338	20.005	ug/l	100
81) trans-1,4-Dichloro-2-b...	12.520	75	36508	21.854	ug/l	99
82) 4-Chlorotoluene	12.997	91	516534	20.067	ug/l	100
83) tert-Butylbenzene	13.214	119	445747	19.590	ug/l	99
84) 1,2,4-Trimethylbenzene	13.261	105	564087	20.371	ug/l	100
85) sec-Butylbenzene	13.391	105	687050	19.213	ug/l	99
86) p-Isopropyltoluene	13.508	119	583636	20.039	ug/l	100
87) 1,3-Dichlorobenzene	13.508	146	308130	20.323	ug/l	99
88) 1,4-Dichlorobenzene	13.585	146	304862	20.135	ug/l	99
89) n-Butylbenzene	13.832	91	570358	19.766	ug/l	99
90) Hexachloroethane	14.102	117	111428	18.801	ug/l	100
91) 1,2-Dichlorobenzene	13.879	146	264415	20.226	ug/l	98
92) 1,2-Dibromo-3-Chloropr...	14.491	75	20258	20.751	ug/l	99
93) 1,2,4-Trichlorobenzene	15.149	180	143157	19.697	ug/l	96
94) Hexachlorobutadiene	15.255	225	88412	20.177	ug/l	98
95) Naphthalene	15.391	128	259170	19.151	ug/l	99
96) 1,2,3-Trichlorobenzene	15.579	180	129514	20.746	ug/l	98

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

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