

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD042921\
 Data File : VD069018.D
 Acq On : 29 Apr 2021 15:09
 Operator : VA/SY
 Sample : VD0429SBS01
 Misc : 5.00G/5.00ml/MSVOA_D/SOIL
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0429SBS01

Manual Integrations
 APPROVED

MMDadoda
 4/30/2021 11:02:43 AM

Quant Time: Apr 30 02:56:30 2021
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_D\Method\82D040721S.M
 Quant Title : SW846 8260
 QLast Update : Thu Apr 08 03:50:31 2021
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	7.979	168	241775	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.861	114	402910	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.643	117	392419	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.573	152	194699	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.332	65	128577	50.32	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery = 100.64%			
35) Dibromofluoromethane	7.914	113	144888	55.29	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery = 110.58%			
50) Toluene-d8	10.338	98	513780	51.97	ug/l	0.00
Spiked Amount 50.000	Range 49 - 140		Recovery = 103.94%			
62) 4-Bromofluorobenzene	12.626	95	175276	53.38	ug/l	0.00
Spiked Amount 50.000	Range 25 - 144		Recovery = 106.76%			
Target Compounds					Qvalue	
2) Dichlorodifluoromethane	1.985	85	49924	20.84	ug/l	100
3) Chloromethane	2.209	50	55291	19.63	ug/l	96
4) Vinyl Chloride	2.350	62	76862	21.72	ug/l	93
5) Bromomethane	2.750	94	62608	23.67	ug/l	98
6) Chloroethane	2.914	64	54756	23.55	ug/l	98
7) Trichlorofluoromethane	3.267	101	88838	21.34	ug/l	97
8) Diethyl Ether	3.708	74	26157	23.26	ug/l	89
9) 1,1,2-Trichlorotrifluo...	4.091	101	56951	22.67	ug/l	98
10) Methyl Iodide	4.297	142	54541	19.96	ug/l	98
11) Tert butyl alcohol	5.208	59	23563	163.36	ug/l #	82
12) 1,1-Dichloroethene	4.067	96	51421	21.25	ug/l	92
13) Acrolein	3.926	56	6887	68.48	ug/l	87
14) Allyl chloride	4.720	41	51242	18.79	ug/l	91
15) Acrylonitrile	5.414	53	50552	100.18	ug/l	97
16) Acetone	4.156	43	35022	98.98	ug/l	98
17) Carbon Disulfide	4.408	76	154032	19.66	ug/l	98
18) Methyl Acetate	4.708	43	20332	20.92	ug/l	100
19) Methyl tert-butyl Ether	5.479	73	114179	21.26	ug/l	98
20) Methylene Chloride	4.961	84	79179	25.24	ug/l	92
21) trans-1,2-Dichloroethene	5.467	96	65324	21.02	ug/l	90
22) Diisopropyl ether	6.367	45	129132	19.54	ug/l	99
23) Vinyl Acetate	6.308	43	344323	98.32	ug/l	94
24) 1,1-Dichloroethane	6.261	63	99397	19.95	ug/l	98
25) 2-Butanone	7.208	43	55489	110.82	ug/l	99
26) 2,2-Dichloropropane	7.208	77	87575	21.52	ug/l	99
27) cis-1,2-Dichloroethene	7.208	96	72366	23.43	ug/l	97
28) Bromochloromethane	7.544	49	32060	17.83	ug/l	84
29) Tetrahydrofuran	7.567	42	35385	105.08	ug/l	92
30) Chloroform	7.708	83	117200	21.49	ug/l	99
31) Cyclohexane	7.979	56	75534	17.77	ug/l	98
32) 1,1,1-Trichloroethane	7.902	97	101398	21.28	ug/l	98
36) 1,1-Dichloropropene	8.108	75	81130	19.89	ug/l	95
37) Ethyl Acetate	7.291	43	27417	22.89	ug/l #	97
38) Carbon Tetrachloride	8.096	117	91471	22.65	ug/l	99
39) Methylcyclohexane	9.355	83	91062	19.15	ug/l	96
40) Benzene	8.355	78	251867	21.11	ug/l	99

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.526	41	12290	17.33	ug/l #	73
42) 1,2-Dichloroethane	8.426	62	69293	21.96	ug/l	99
43) Isopropyl Acetate	8.449	43	50326	20.61	ug/l #	93
44) Trichloroethene	9.114	130	73091	22.17	ug/l	89
45) 1,2-Dichloropropane	9.385	63	58774	20.62	ug/l	96
46) Dibromomethane	9.473	93	37590	23.67	ug/l	96
47) Bromodichloromethane	9.661	83	92859	22.38	ug/l	96
48) Methyl methacrylate	9.455	41	24548	20.40	ug/l #	86
49) 1,4-Dioxane	9.461	88	7454	443.38	ug/l	96
51) 4-Methyl-2-Pentanone	10.226	43	128990	104.80	ug/l	98
52) Toluene	10.402	92	164390	21.75	ug/l	97
53) t-1,3-Dichloropropene	10.620	75	79044	21.50	ug/l	96
54) cis-1,3-Dichloropropene	10.090	75	96826	22.01	ug/l	97
55) 1,1,2-Trichloroethane	10.796	97	53199	23.69	ug/l	91
56) Ethyl methacrylate	10.661	69	50851	22.00	ug/l	96
57) 1,3-Dichloropropane	10.943	76	81986	22.18	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.943	63	106372	97.56	ug/l	95
59) 2-Hexanone	10.979	43	86406	104.92	ug/l	99
60) Dibromochloromethane	11.137	129	65260	23.18	ug/l	98
61) 1,2-Dibromoethane	11.249	107	51651	23.67	ug/l	100
64) Tetrachloroethene	10.879	164	62760	22.82	ug/l	93
65) Chlorobenzene	11.667	112	188423	22.18	ug/l	95
66) 1,1,1,2-Tetrachloroethane	11.737	131	69298	22.69	ug/l	97
67) Ethyl Benzene	11.743	91	301898	20.52	ug/l	97
68) m/p-Xylenes	11.849	106	243801	42.95	ug/l	96
69) o-Xylene	12.179	106	112349	21.77	ug/l	92
70) Styrene	12.190	104	196046	21.79	ug/l	98
71) Bromoform	12.355	173	39707	24.27	ug/l #	98
73) Isopropylbenzene	12.479	105	292299	20.56	ug/l	99
74) N-amyl acetate	12.284	43	47284	19.61	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.726	83	58971	22.19	ug/l	98
76) 1,2,3-Trichloropropane	12.779	75	40340m	22.68	ug/l	
77) Bromobenzene	12.755	156	76159	22.28	ug/l	93
78) n-propylbenzene	12.814	91	357612	20.71	ug/l	98
79) 2-Chlorotoluene	12.902	91	201234	20.86	ug/l	97
80) 1,3,5-Trimethylbenzene	12.955	105	252855	21.27	ug/l	100
81) trans-1,4-Dichloro-2-b...	12.520	75	15658	20.43	ug/l	99
82) 4-Chlorotoluene	13.002	91	217886	21.31	ug/l	97
83) tert-Butylbenzene	13.220	119	204996	20.33	ug/l	98
84) 1,2,4-Trimethylbenzene	13.261	105	257009	21.41	ug/l	98
85) sec-Butylbenzene	13.396	105	291391	20.48	ug/l	98
86) p-Isopropyltoluene	13.514	119	271367	20.88	ug/l	100
87) 1,3-Dichlorobenzene	13.514	146	149753	22.12	ug/l	98
88) 1,4-Dichlorobenzene	13.590	146	148322	22.13	ug/l	99
89) n-Butylbenzene	13.837	91	239929	19.60	ug/l	99
90) Hexachloroethane	14.108	117	56341	21.76	ug/l	96
91) 1,2-Dichlorobenzene	13.884	146	132093	22.54	ug/l	97
92) 1,2-Dibromo-3-Chloropr...	14.496	75	8422	20.85	ug/l	96
93) 1,2,4-Trichlorobenzene	15.155	180	80197	22.12	ug/l	97
94) Hexachlorobutadiene	15.261	225	46642	22.47	ug/l	99
95) Naphthalene	15.396	128	136911	21.68	ug/l	99
96) 1,2,3-Trichlorobenzene	15.584	180	74027	23.35	ug/l	97

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

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