

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD022421\
 Data File : VD068429.D
 Acq On : 24 Feb 2021 11:19
 Operator : VA/SY
 Sample : VD0224SBS01
 Misc : 5.00G/5.00ml/MSVOA_D/SOIL
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0224SBS01

Manual Integrations
 APPROVED

MMDadoda
 2/25/2021 12:16:44 PM

Quant Time: Feb 25 00:10:03 2021
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_D\Method\82D021221S.M
 Quant Title : SW846 8260
 QLast Update : Fri Feb 12 13:30:51 2021
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	7.979	168	346260	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.867	114	595828	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.644	117	535958	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.573	152	243505	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.332	65	174990	49.43	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery =	98.86%		
35) Dibromofluoromethane	7.920	113	180872	51.14	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery =	102.28%		
50) Toluene-d8	10.344	98	742847	50.68	ug/l	0.00
Spiked Amount 50.000	Range 49 - 140		Recovery =	101.36%		
62) 4-Bromofluorobenzene	12.632	95	234349	49.08	ug/l	0.00
Spiked Amount 50.000	Range 25 - 144		Recovery =	98.16%		
Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.991	85	71753	22.61	ug/l	98
3) Chloromethane	2.209	50	82743	21.90	ug/l	98
4) Vinyl Chloride	2.350	62	102215	22.60	ug/l	100
5) Bromomethane	2.756	94	68827	21.29	ug/l	99
6) Chloroethane	2.915	64	63125	21.37	ug/l	89
7) Trichlorofluoromethane	3.274	101	123229	22.14	ug/l	99
8) Diethyl Ether	3.709	74	35277	21.58	ug/l	97
9) 1,1,2-Trichlorotrifluo...	4.097	101	77442	22.86	ug/l	95
10) Methyl Iodide	4.309	142	69535	21.86	ug/l	93
11) Tert butyl alcohol	5.215	59	29176	164.40	ug/l #	91
12) 1,1-Dichloroethene	4.068	96	71692	21.77	ug/l	92
13) Acrolein	3.926	56	16899	83.27	ug/l	90
14) Allyl chloride	4.715	41	91783	21.44	ug/l	100
15) Acrylonitrile	5.420	53	74381	105.42	ug/l	98
16) Acetone	4.162	43	58339	106.82	ug/l	97
17) Carbon Disulfide	4.409	76	201526	21.13	ug/l	99
18) Methyl Acetate	4.726	43	31006	20.69	ug/l	96
19) Methyl tert-butyl Ether	5.479	73	161346	21.71	ug/l	96
20) Methylene Chloride	4.968	84	93131	22.89	ug/l	96
21) trans-1,2-Dichloroethene	5.479	96	84402	22.14	ug/l	97
22) Diisopropyl ether	6.367	45	193472	20.42	ug/l	97
23) Vinyl Acetate	6.309	43	489880	100.13	ug/l	100
24) 1,1-Dichloroethane	6.262	63	133575	20.60	ug/l	98
25) 2-Butanone	7.215	43	77704	101.76	ug/l	98
26) 2,2-Dichloropropane	7.209	77	116929	21.08	ug/l	98
27) cis-1,2-Dichloroethene	7.215	96	91294	21.07	ug/l	97
28) Bromochloromethane	7.544	49	53983	20.08	ug/l	82
29) Tetrahydrofuran	7.567	42	48941	99.08	ug/l	99
30) Chloroform	7.714	83	143044	21.21	ug/l	97
31) Cyclohexane	7.985	56	117861	21.30	ug/l	91
32) 1,1,1-Trichloroethane	7.909	97	122796	21.07	ug/l	97
36) 1,1-Dichloropropene	8.114	75	109833	20.84	ug/l	96
37) Ethyl Acetate	7.297	43	37982	21.32	ug/l	99
38) Carbon Tetrachloride	8.097	117	106478	21.18	ug/l	98
39) Methylcyclohexane	9.356	83	135244	20.92	ug/l	93
40) Benzene	8.350	78	310146	20.63	ug/l	99

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.520	41	16563m	16.15	ug/l	
42) 1,2-Dichloroethane	8.426	62	85783	21.39	ug/l	99
43) Isopropyl Acetate	8.456	43	70361	20.63	ug/l	99
44) Trichloroethene	9.114	130	85241	20.83	ug/l	94
45) 1,2-Dichloropropane	9.385	63	77383	21.09	ug/l	99
46) Dibromomethane	9.473	93	40697	20.45	ug/l	96
47) Bromodichloromethane	9.661	83	108424	21.01	ug/l	97
48) Methyl methacrylate	9.456	41	33827	19.87	ug/l #	86
49) 1,4-Dioxane	9.461	88	9967	428.65	ug/l	91
51) 4-Methyl-2-Pentanone	10.232	43	182308	104.07	ug/l	99
52) Toluene	10.408	92	204222	21.13	ug/l	96
53) t-1,3-Dichloropropene	10.620	75	101418	21.24	ug/l	96
54) cis-1,3-Dichloropropene	10.091	75	122711	21.03	ug/l	97
55) 1,1,2-Trichloroethane	10.803	97	59628	21.69	ug/l	92
56) Ethyl methacrylate	10.661	69	64382	19.74	ug/l	96
57) 1,3-Dichloropropane	10.950	76	102212	21.18	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.944	63	175614	100.54	ug/l	93
59) 2-Hexanone	10.985	43	120664	101.90	ug/l	100
60) Dibromochloromethane	11.138	129	73291	21.48	ug/l	99
61) 1,2-Dibromoethane	11.244	107	55505	20.89	ug/l	99
64) Tetrachloroethene	10.879	164	70729	21.45	ug/l	96
65) Chlorobenzene	11.673	112	217850	21.14	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.744	131	76176	21.19	ug/l	98
67) Ethyl Benzene	11.744	91	393521	21.30	ug/l	94
68) m/p-Xylenes	11.850	106	297596	42.62	ug/l	100
69) o-Xylene	12.179	106	135546	21.16	ug/l	97
70) Styrene	12.197	104	234354	21.03	ug/l	99
71) Bromoform	12.361	173	38504	20.84	ug/l #	99
73) Isopropylbenzene	12.479	105	374611	21.06	ug/l	99
74) N-amyl acetate	12.285	43	63961	20.37	ug/l	98
75) 1,1,2,2-Tetrachloroethane	12.732	83	63471	20.59	ug/l	98
76) 1,2,3-Trichloropropane	12.779	75	45335m	19.56	ug/l	
77) Bromobenzene	12.761	156	83262	20.96	ug/l	91
78) n-propylbenzene	12.820	91	455013	21.37	ug/l	98
79) 2-Chlorotoluene	12.908	91	249493	21.16	ug/l	98
80) 1,3,5-Trimethylbenzene	12.961	105	308332	21.21	ug/l	98
81) trans-1,4-Dichloro-2-b...	12.526	75	20277	21.93	ug/l #	90
82) 4-Chlorotoluene	13.002	91	264596	21.22	ug/l	98
83) tert-Butylbenzene	13.220	119	267830	21.24	ug/l	100
84) 1,2,4-Trimethylbenzene	13.267	105	308985	21.34	ug/l	99
85) sec-Butylbenzene	13.402	105	379130	21.50	ug/l	98
86) p-Isopropyltoluene	13.514	119	342086	21.61	ug/l	99
87) 1,3-Dichlorobenzene	13.514	146	165282	21.50	ug/l	100
88) 1,4-Dichlorobenzene	13.591	146	161190	21.07	ug/l	96
89) n-Butylbenzene	13.844	91	324636	21.01	ug/l	99
90) Hexachloroethane	14.108	117	69356	24.13	ug/l	92
91) 1,2-Dichlorobenzene	13.885	146	142985	21.45	ug/l	99
92) 1,2-Dibromo-3-Chloropr...	14.502	75	9793	21.73	ug/l	85
93) 1,2,4-Trichlorobenzene	15.161	180	111369	25.51	ug/l	97
94) Hexachlorobutadiene	15.261	225	63485	26.44	ug/l	99
95) Naphthalene	15.396	128	201052	24.77	ug/l	99
96) 1,2,3-Trichlorobenzene	15.591	180	93391	24.52	ug/l	97

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

