

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD030921\
 Data File : VD068571.D
 Acq On : 09 Mar 2021 11:23
 Operator : VA/SY
 Sample : VD0309SBS01
 Misc : 5.00G/5.00ml/MSVOA_D/SOIL
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0309SBS01

Manual Integrations
 APPROVED

SAM
 3/10/2021 3:12:29 PM

Quant Time: Mar 09 23:59:34 2021
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_D\Method\82D022621S.M
 Quant Title : SW846 8260
 QLast Update : Fri Feb 26 14:04:14 2021
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	7.985	168	258096	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.867	114	437042	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.644	117	407164	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.573	152	194592	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.332	65	126492	49.05	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery =	98.10%		
35) Dibromofluoromethane	7.914	113	136404	51.81	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery =	103.62%		
50) Toluene-d8	10.338	98	526608	50.22	ug/l	0.00
Spiked Amount 50.000	Range 49 - 140		Recovery =	100.44%		
62) 4-Bromofluorobenzene	12.632	95	177274	52.45	ug/l	0.00
Spiked Amount 50.000	Range 25 - 144		Recovery =	104.90%		
Target Compounds					Qvalue	
2) Dichlorodifluoromethane	1.991	85	49488	19.76	ug/l	100
3) Chloromethane	2.209	50	60009	18.96	ug/l	98
4) Vinyl Chloride	2.350	62	72793	19.37	ug/l	99
5) Bromomethane	2.762	94	56622	21.16	ug/l	90
6) Chloroethane	2.921	64	48978	20.15	ug/l	94
7) Trichlorofluoromethane	3.273	101	90433	21.09	ug/l	100
8) Diethyl Ether	3.715	74	24086	18.87	ug/l	98
9) 1,1,2-Trichlorotrifluo...	4.097	101	55461	21.23	ug/l	96
10) Methyl Iodide	4.303	142	51862	18.35	ug/l	94
11) Tert butyl alcohol	5.220	59	13283	96.47	ug/l #	74
12) 1,1-Dichloroethene	4.073	96	53321	20.57	ug/l	91
13) Acrolein	3.926	56	16442	83.55	ug/l	97
14) Allyl chloride	4.720	41	65112	19.46	ug/l	98
15) Acrylonitrile	5.426	53	61201	113.59	ug/l	98
16) Acetone	4.162	43	42457	103.65	ug/l #	86
17) Carbon Disulfide	4.415	76	169068	19.91	ug/l	97
18) Methyl Acetate	4.715	43	21381	20.25	ug/l	96
19) Methyl tert-butyl Ether	5.479	73	126764	22.56	ug/l #	87
20) Methylene Chloride	4.967	84	68508	19.86	ug/l	93
21) trans-1,2-Dichloroethene	5.473	96	75161	24.29	ug/l	99
22) Diisopropyl ether	6.362	45	148495	20.15	ug/l	96
23) Vinyl Acetate	6.309	43	366850	95.94	ug/l	98
24) 1,1-Dichloroethane	6.261	63	104999	20.78	ug/l	98
25) 2-Butanone	7.208	43	57736	98.06	ug/l	99
26) 2,2-Dichloropropane	7.214	77	90919	21.60	ug/l	99
27) cis-1,2-Dichloroethene	7.220	96	71265	20.98	ug/l	96
28) Bromochloromethane	7.550	49	39761	20.16	ug/l	83
29) Tetrahydrofuran	7.561	42	36354	95.08	ug/l	97
30) Chloroform	7.714	83	112910	21.16	ug/l	100
31) Cyclohexane	7.985	56	93365	19.91	ug/l	92
32) 1,1,1-Trichloroethane	7.908	97	97773	21.47	ug/l	95
36) 1,1-Dichloropropene	8.108	75	86006	20.70	ug/l	97
37) Ethyl Acetate	7.291	43	24618	17.86	ug/l	97
38) Carbon Tetrachloride	8.097	117	85217	21.83	ug/l	97
39) Methylcyclohexane	9.355	83	106416	20.77	ug/l	99
40) Benzene	8.350	78	250189	20.99	ug/l	95

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.520	41	12809	16.01	ug/l #	85
42) 1,2-Dichloroethane	8.426	62	65711	20.97	ug/l	98
43) Isopropyl Acetate	8.456	43	52225	20.62	ug/l	96
44) Trichloroethene	9.114	130	69458	21.23	ug/l	95
45) 1,2-Dichloropropane	9.385	63	61376	21.54	ug/l	96
46) Dibromomethane	9.479	93	33049	21.33	ug/l	94
47) Bromodichloromethane	9.667	83	86803	21.65	ug/l	99
48) Methyl methacrylate	9.455	41	27624	20.46	ug/l	98
49) 1,4-Dioxane	9.461	88	7357	416.26	ug/l	90
51) 4-Methyl-2-Pentanone	10.232	43	130058	98.11	ug/l	99
52) Toluene	10.402	92	161374	21.21	ug/l	95
53) t-1,3-Dichloropropene	10.620	75	78721	21.25	ug/l	98
54) cis-1,3-Dichloropropene	10.091	75	93844	20.76	ug/l	96
55) 1,1,2-Trichloroethane	10.802	97	46035	21.46	ug/l	96
56) Ethyl methacrylate	10.661	69	49912	20.25	ug/l	97
57) 1,3-Dichloropropane	10.944	76	80740	21.57	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.944	63	120937	97.78	ug/l	94
59) 2-Hexanone	10.985	43	90402	102.31	ug/l	100
60) Dibromochloromethane	11.138	129	58165	21.91	ug/l	100
61) 1,2-Dibromoethane	11.249	107	44393	21.15	ug/l	99
64) Tetrachloroethene	10.879	164	56020	21.07	ug/l	97
65) Chlorobenzene	11.673	112	174530	21.05	ug/l	98
66) 1,1,1,2-Tetrachloroethane	11.744	131	62862	21.81	ug/l	99
67) Ethyl Benzene	11.744	91	302987	20.47	ug/l	96
68) m/p-Xylenes	11.849	106	234001	41.63	ug/l	99
69) o-Xylene	12.179	106	106343	20.54	ug/l	94
70) Styrene	12.196	104	182860	20.65	ug/l	98
71) Bromoform	12.361	173	31101	21.24	ug/l #	98
73) Isopropylbenzene	12.479	105	292492	20.27	ug/l	100
74) N-amyl acetate	12.291	43	47343	19.26	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.732	83	49842	20.07	ug/l	98
76) 1,2,3-Trichloropropane	12.779	75	33288m	19.27	ug/l	
77) Bromobenzene	12.761	156	67920	20.62	ug/l	93
78) n-propylbenzene	12.820	91	352774	20.46	ug/l	98
79) 2-Chlorotoluene	12.908	91	196127	20.49	ug/l	97
80) 1,3,5-Trimethylbenzene	12.955	105	242498	20.50	ug/l	98
81) trans-1,4-Dichloro-2-b...	12.526	75	13823	18.67	ug/l	99
82) 4-Chlorotoluene	13.002	91	205523	20.41	ug/l	100
83) tert-Butylbenzene	13.220	119	210393	20.89	ug/l	98
84) 1,2,4-Trimethylbenzene	13.267	105	243876	20.59	ug/l	97
85) sec-Butylbenzene	13.396	105	300022	21.09	ug/l	98
86) p-Isopropyltoluene	13.514	119	268828	20.82	ug/l	98
87) 1,3-Dichlorobenzene	13.514	146	133857	21.04	ug/l	99
88) 1,4-Dichlorobenzene	13.591	146	134649	21.37	ug/l	98
89) n-Butylbenzene	13.838	91	256448	20.59	ug/l	96
90) Hexachloroethane	14.108	117	52239	20.35	ug/l	92
91) 1,2-Dichlorobenzene	13.885	146	116376	21.33	ug/l	98
92) 1,2-Dibromo-3-Chloropr...	14.502	75	8211	18.76	ug/l	91
93) 1,2,4-Trichlorobenzene	15.155	180	87656	20.80	ug/l	99
94) Hexachlorobutadiene	15.261	225	51046	21.82	ug/l	98
95) Naphthalene	15.396	128	146201	19.16	ug/l	99
96) 1,2,3-Trichlorobenzene	15.590	180	76436	20.95	ug/l	96

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

