

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD012721\
 Data File : VD068199.D
 Acq On : 27 Jan 2021 13:00
 Operator : VA/SY
 Sample : VD0127SBS01
 Misc : 5.00G/5.00ml/MSVOA_D/SOIL
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0127SBS01

Manual Integrations
 APPROVED

MMDadoda
 1/28/2021 2:12:05 PM

Quant Time: Jan 27 23:56:44 2021
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_D\Method\82D011921S.M
 Quant Title : SW846 8260
 QLast Update : Tue Jan 19 13:19:08 2021
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	7.985	168	350035	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.867	114	616331	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.649	117	549192	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.573	152	249000	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.338	65	160163	47.83	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery =	95.66%		
35) Dibromofluoromethane	7.920	113	164060	48.15	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery =	96.30%		
50) Toluene-d8	10.344	98	612038	44.90	ug/l	0.00
Spiked Amount 50.000	Range 49 - 140		Recovery =	89.80%		
62) 4-Bromofluorobenzene	12.632	95	219912	44.80	ug/l	0.00
Spiked Amount 50.000	Range 25 - 144		Recovery =	89.60%		
Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.991	85	86793	20.87	ug/l	100
3) Chloromethane	2.215	50	102936	22.99	ug/l	95
4) Vinyl Chloride	2.350	62	115196	23.13	ug/l	98
5) Bromomethane	2.762	94	79071	23.15	ug/l	99
6) Chloroethane	2.921	64	74276	24.41	ug/l	98
7) Trichlorofluoromethane	3.273	101	136693	20.91	ug/l	95
8) Diethyl Ether	3.709	74	40516	21.05	ug/l	98
9) 1,1,2-Trichlorotrifluo...	4.103	101	82246	21.57	ug/l	93
10) Methyl Iodide	4.309	142	75074	19.60	ug/l	94
11) Tert butyl alcohol	5.215	59	29295	43.85	ug/l #	74
12) 1,1-Dichloroethene	4.073	96	81482	21.25	ug/l	93
13) Acrolein	3.926	56	25793	97.75	ug/l	99
14) Allyl chloride	4.720	41	115463	20.70	ug/l	95
15) Acrylonitrile	5.426	53	85117	111.63	ug/l	98
16) Acetone	4.168	43	63689	106.52	ug/l	91
17) Carbon Disulfide	4.415	76	249954	20.24	ug/l	99
18) Methyl Acetate	4.732	43	38216	24.63	ug/l	90
19) Methyl tert-butyl Ether	5.485	73	186508	21.04	ug/l	94
20) Methylene Chloride	4.973	84	100630	21.86	ug/l	92
21) trans-1,2-Dichloroethene	5.479	96	92717	21.06	ug/l	93
22) Diisopropyl ether	6.367	45	236680	21.03	ug/l #	96
23) Vinyl Acetate	6.309	43	624026	104.00	ug/l	96
24) 1,1-Dichloroethane	6.267	63	158414	21.72	ug/l	99
25) 2-Butanone	7.214	43	93373	103.72	ug/l	99
26) 2,2-Dichloropropane	7.209	77	139054	20.15	ug/l	100
27) cis-1,2-Dichloroethene	7.220	96	105736	22.12	ug/l	95
28) Bromochloromethane	7.556	49	55137	22.19	ug/l	80
29) Tetrahydrofuran	7.567	42	63372	108.59	ug/l	92
30) Chloroform	7.714	83	159809	21.68	ug/l	96
31) Cyclohexane	7.985	56	145797	20.11	ug/l	92
32) 1,1,1-Trichloroethane	7.909	97	142028	21.38	ug/l	95
36) 1,1-Dichloropropene	8.114	75	128042	20.60	ug/l	96
37) Ethyl Acetate	7.297	43	45546	20.72	ug/l	99
38) Carbon Tetrachloride	8.097	117	118718	20.41	ug/l	94
39) Methylcyclohexane	9.355	83	158465	19.50	ug/l	98
40) Benzene	8.356	78	361102	20.78	ug/l	97

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.526	41	27986	21.09	ug/l	94
42) 1,2-Dichloroethane	8.432	62	99309	21.39	ug/l	97
43) Isopropyl Acetate	8.456	43	91419	19.95	ug/l	95
44) Trichloroethene	9.114	130	97328	20.39	ug/l	94
45) 1,2-Dichloropropane	9.391	63	89287	20.98	ug/l	96
46) Dibromomethane	9.479	93	45907	21.29	ug/l	92
47) Bromodichloromethane	9.667	83	123572	21.24	ug/l	100
48) Methyl methacrylate	9.461	41	47273	20.73	ug/l	95
49) 1,4-Dioxane	9.461	88	9728	384.97	ug/l #	81
51) 4-Methyl-2-Pentanone	10.232	43	219250	102.94	ug/l	96
52) Toluene	10.408	92	234987	20.75	ug/l	97
53) t-1,3-Dichloropropene	10.626	75	119492	20.29	ug/l	99
54) cis-1,3-Dichloropropene	10.091	75	142510	20.33	ug/l	93
55) 1,1,2-Trichloroethane	10.802	97	64930	21.25	ug/l	93
56) Ethyl methacrylate	10.661	69	81370	19.99	ug/l	95
57) 1,3-Dichloropropane	10.950	76	114416	21.22	ug/l	97
58) 2-Chloroethyl Vinyl ether	9.944	63	204124	108.66	ug/l	92
59) 2-Hexanone	10.985	43	148445	100.55	ug/l	95
60) Dibromochloromethane	11.144	129	79791	20.82	ug/l	100
61) 1,2-Dibromoethane	11.249	107	62498	20.73	ug/l	100
64) Tetrachloroethene	10.879	164	77876	20.12	ug/l	95
65) Chlorobenzene	11.673	112	243649	20.88	ug/l	100
66) 1,1,1,2-Tetrachloroethane	11.744	131	84484	20.58	ug/l	97
67) Ethyl Benzene	11.749	91	447135	20.69	ug/l	98
68) m/p-Xylenes	11.855	106	337104	41.33	ug/l	98
69) o-Xylene	12.185	106	155058	20.47	ug/l	100
70) Styrene	12.197	104	267252	20.67	ug/l	99
71) Bromoform	12.361	173	42301	20.33	ug/l #	99
73) Isopropylbenzene	12.479	105	425273	20.53	ug/l	99
74) N-amyl acetate	12.291	43	84030	19.51	ug/l	94
75) 1,1,2,2-Tetrachloroethane	12.732	83	70674	21.45	ug/l	98
76) 1,2,3-Trichloropropane	12.785	75	52410m	21.77	ug/l	
77) Bromobenzene	12.761	156	92008	20.71	ug/l	88
78) n-propylbenzene	12.820	91	505638	20.63	ug/l	96
79) 2-Chlorotoluene	12.908	91	277458	20.16	ug/l	97
80) 1,3,5-Trimethylbenzene	12.961	105	340877	19.75	ug/l	98
81) trans-1,4-Dichloro-2-b...	12.532	75	23204	19.50	ug/l	94
82) 4-Chlorotoluene	13.008	91	290397	20.29	ug/l	98
83) tert-Butylbenzene	13.226	119	295933	20.24	ug/l	98
84) 1,2,4-Trimethylbenzene	13.267	105	345091	20.15	ug/l	100
85) sec-Butylbenzene	13.402	105	413435	20.21	ug/l	98
86) p-Isopropyltoluene	13.514	119	374513	20.13	ug/l	100
87) 1,3-Dichlorobenzene	13.514	146	176644	20.68	ug/l	99
88) 1,4-Dichlorobenzene	13.596	146	174823	20.78	ug/l	98
89) n-Butylbenzene	13.843	91	359426	20.13	ug/l	98
90) Hexachloroethane	14.108	117	65808	19.58	ug/l	90
91) 1,2-Dichlorobenzene	13.885	146	157112	21.48	ug/l	99
92) 1,2-Dibromo-3-Chloropr...	14.508	75	11187	20.74	ug/l	77
93) 1,2,4-Trichlorobenzene	15.161	180	99390	19.82	ug/l	99
94) Hexachlorobutadiene	15.267	225	54178	19.49	ug/l	100
95) Naphthalene	15.396	128	190188	20.23	ug/l	100
96) 1,2,3-Trichlorobenzene	15.596	180	85181	20.14	ug/l	98

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

