

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD082820\
 Data File : VD066454.D
 Acq On : 28 Aug 2020 12:37
 Operator : VA/SY
 Sample : VD0828SBS01
 Misc : 5.00G/5.00ml/MSVOA D/SOIL
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0828SBS01

Manual Integrations
 APPROVED

MMDadoda
 8/31/2020 11:58:41 AM

Quant Time: Aug 29 01:08:19 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D082120S.M
 Quant Title : SW846 8260
 QLast Update : Fri Aug 21 13:36:12 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.97	168	164903	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.86	114	230331	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.64	117	212782	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.58	152	113785	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	8.33	65	95057	58.80	ug/l	0.00
Spiked Amount			Recovery	=	117.60%	
35) Dibromofluoromethane	7.91	113	74753	51.90	ug/l	0.00
Spiked Amount			Recovery	=	103.80%	
50) Toluene-d8	10.34	98	286463	54.36	ug/l	0.00
Spiked Amount			Recovery	=	108.72%	
62) 4-Bromofluorobenzene	12.63	95	100898	53.96	ug/l	0.00
Spiked Amount			Recovery	=	107.92%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	1.99	85	29563	21.087	ug/l	96
3) Chloromethane	2.21	50	17234	17.343	ug/l	95
4) Vinyl Chloride	2.34	62	20483	19.198	ug/l	99
5) Bromomethane	2.76	94	17288	21.663	ug/l	97
6) Chloroethane	2.92	64	14175	20.748	ug/l	91
7) Trichlorofluoromethane	3.27	101	66144	22.798	ug/l	97
8) Diethyl Ether	3.71	74	12349	18.997	ug/l	87
9) 1,1,2-Trichlorotrifluoroet	4.09	101	28273	19.746	ug/l	96
10) Methyl Iodide	4.30	142	27662	16.939	ug/l #	88
11) Tert butyl alcohol	5.21	59	16089m	157.335	ug/l	
12) 1,1-Dichloroethene	4.06	96	25617	19.060	ug/l	94
13) Acrolein	3.92	56	3973	55.341	ug/l #	71
14) Allyl chloride	4.71	41	28268	15.758	ug/l #	76
15) Acrylonitrile	5.42	53	23058	88.407	ug/l	98
16) Acetone	4.16	43	27384	93.953	ug/l	90
17) Carbon Disulfide	4.41	76	68092	16.717	ug/l	100
18) Methyl Acetate	4.71	43	9073	16.586	ug/l #	78
19) Methyl tert-butyl Ether	5.47	73	66153	20.441	ug/l	93
20) Methylene Chloride	4.96	84	32573	16.695	ug/l #	80
21) trans-1,2-Dichloroethene	5.46	96	29077	18.585	ug/l	93
22) Diisopropyl ether	6.36	45	62095	17.878	ug/l	94
23) Vinyl Acetate	6.30	43	193147	89.829	ug/l	94
24) 1,1-Dichloroethane	6.27	63	44914	18.299	ug/l	96
25) 2-Butanone	7.21	43	29594	89.439	ug/l #	89
26) 2,2-Dichloropropane	7.20	77	57158	21.727	ug/l	97
27) cis-1,2-Dichloroethene	7.20	96	33634	20.064	ug/l	97
28) Bromochloromethane	7.53	49	13761	16.276	ug/l	83
29) Tetrahydrofuran	7.56	42	16384	87.177	ug/l	95
30) Chloroform	7.71	83	58696	20.669	ug/l	98
31) Cyclohexane	7.98	56	37532	16.720	ug/l #	90
32) 1,1,1-Trichloroethane	7.90	97	64148	22.071	ug/l	98
36) 1,1-Dichloropropene	8.10	75	42054	20.010	ug/l	96
37) Ethyl Acetate	7.29	43	12352	17.280	ug/l #	85
38) Carbon Tetrachloride	8.09	117	61122	22.323	ug/l	97

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.35	83	45976	18.571	ug/l	95
40) Benzene	8.34	78	105712	19.121	ug/l	95
41) Methacrylonitrile	7.54	41	9997m	22.679	ug/l	
42) 1,2-Dichloroethane	8.41	62	44842	23.029	ug/l	98
43) Isopropyl Acetate	8.45	43	27336	19.054	ug/l #	59
44) Trichloroethene	9.11	130	35850	19.956	ug/l	90
45) 1,2-Dichloropropane	9.38	63	21606	17.238	ug/l	99
46) Dibromomethane	9.47	93	15688	20.103	ug/l	93
47) Bromodichloromethane	9.66	83	45066	20.999	ug/l	94
48) Methyl methacrylate	9.45	41	14924	20.172	ug/l	91
49) 1,4-Dioxane	9.46	88	3232	356.673	ug/l #	86
51) 4-Methyl-2-Pentanone	10.23	43	63245	91.125	ug/l	100
52) Toluene	10.40	92	75406	20.131	ug/l	96
53) t-1,3-Dichloropropene	10.61	75	41192	20.228	ug/l	93
54) cis-1,3-Dichloropropene	10.08	75	46092	20.165	ug/l	93
55) 1,1,2-Trichloroethane	10.80	97	20738	19.630	ug/l	90
56) Ethyl methacrylate	10.66	69	24697	20.194	ug/l #	92
57) 1,3-Dichloropropane	10.94	76	33425	19.127	ug/l	93
58) 2-Chloroethyl Vinyl ether	9.94	63	47856	94.216	ug/l	91
59) 2-Hexanone	10.98	43	44363	90.619	ug/l	96
60) Dibromochloromethane	11.14	129	32573	20.455	ug/l	98
61) 1,2-Dibromoethane	11.24	107	20094	19.327	ug/l	99
64) Tetrachloroethene	10.87	164	31866	19.742	ug/l	93
65) Chlorobenzene	11.67	112	84407	19.939	ug/l	96
66) 1,1,1,2-Tetrachloroethane	11.74	131	35955	20.783	ug/l	98
67) Ethyl Benzene	11.74	91	150313	20.172	ug/l	94
68) m/p-Xylenes	11.85	106	120479	42.418	ug/l	99
69) o-Xylene	12.18	106	54016	20.443	ug/l	97
70) Styrene	12.20	104	99026	21.827	ug/l	99
71) Bromoform	12.36	173	21688	22.096	ug/l #	97
73) Isopropylbenzene	12.48	105	155152	20.355	ug/l	99
74) N-amyl acetate	12.29	43	23836	17.314	ug/l	94
75) 1,1,2,2-Tetrachloroethane	12.73	83	18813	17.277	ug/l	95
76) 1,2,3-Trichloropropane	12.78	75	17548m	21.922	ug/l	
77) Bromobenzene	12.76	156	39113	20.217	ug/l	94
78) n-propylbenzene	12.82	91	173120	19.808	ug/l	99
79) 2-Chlorotoluene	12.91	91	101928	20.420	ug/l	98
80) 1,3,5-Trimethylbenzene	12.96	105	136262	20.704	ug/l	100
81) trans-1,4-Dichloro-2-buten	12.53	75	7034	18.652	ug/l	89
82) 4-Chlorotoluene	13.01	91	106310	20.102	ug/l	98
83) tert-Butylbenzene	13.23	119	116234	20.333	ug/l	95
84) 1,2,4-Trimethylbenzene	13.27	105	136138	21.060	ug/l	99
85) sec-Butylbenzene	13.40	105	148303	19.801	ug/l	99
86) p-Isopropyltoluene	13.52	119	150696	20.867	ug/l	96
87) 1,3-Dichlorobenzene	13.52	146	74592	20.655	ug/l	99
88) 1,4-Dichlorobenzene	13.60	146	74849	20.642	ug/l	98
89) n-Butylbenzene	13.84	91	127836	20.059	ug/l	99
90) Hexachloroethane	14.11	117	28543	20.008	ug/l	95
91) 1,2-Dichlorobenzene	13.89	146	64145	20.633	ug/l	98
92) 1,2-Dibromo-3-Chloropropan	14.51	75	4991	21.854	ug/l	87

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.17	180	49557	20.418	ug/l	99
94) Hexachlorobutadiene	15.28	225	31916	21.161	ug/l	94
95) Naphthalene	15.41	128	78391	20.564	ug/l	99
96) 1,2,3-Trichlorobenzene	15.60	180	43277	20.815	ug/l	97

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

