

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD111620\
 Data File : VD067633.D
 Acq On : 16 Nov 2020 11:45
 Operator : VA/SY
 Sample : VD1116SBS01
 Misc : 5.00G/5.00ml/MSVOA D/SOIL
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 VD1116SBS01

Manual Integrations
 APPROVED

MMDadoda
 11/17/2020 6:57:57 PM

Quant Time: Nov 17 01:19:23 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D110320S.M
 Quant Title : SW846 8260
 QLast Update : Wed Nov 04 00:56:28 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.98	168	295814	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.87	114	424954	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.65	117	386019	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.58	152	195737	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.34	65	114290	44.19	ug/l	0.00
Spiked Amount	50.000		Recovery	=	88.38%	
35) Dibromofluoromethane	7.92	113	116948	45.68	ug/l	0.00
Spiked Amount	50.000		Recovery	=	91.36%	
50) Toluene-d8	10.34	98	407666	45.31	ug/l	0.00
Spiked Amount	50.000		Recovery	=	90.62%	
62) 4-Bromofluorobenzene	12.64	95	143586	46.22	ug/l	0.00
Spiked Amount	50.000		Recovery	=	92.44%	
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.99	85	53588	19.616	ug/l	85
3) Chloromethane	2.21	50	32568	17.680	ug/l	96
4) Vinyl Chloride	2.35	62	35371	17.223	ug/l	94
5) Bromomethane	2.77	94	31619	18.995	ug/l	97
6) Chloroethane	2.93	64	22539	17.801	ug/l #	81
7) Trichlorofluoromethane	3.28	101	106432	20.015	ug/l	94
8) Diethyl Ether	3.71	74	21031	19.627	ug/l	94
9) 1,1,2-Trichlorotrifluoroet	4.10	101	54191	20.189	ug/l	98
10) Methyl Iodide	4.31	142	53691	18.663	ug/l	99
11) Tert butyl alcohol	5.23	59	15800m	132.233	ug/l	
12) 1,1-Dichloroethene	4.07	96	47731	19.332	ug/l	93
13) Acrolein	3.92	56	3990	59.166	ug/l	93
14) Allyl chloride	4.71	41	48253	18.261	ug/l	96
15) Acrylonitrile	5.42	53	36952	93.292	ug/l #	79
16) Acetone	4.16	43	33084	85.474	ug/l	94
17) Carbon Disulfide	4.41	76	136455	18.036	ug/l	98
18) Methyl Acetate	4.73	43	15449	19.315	ug/l	98
19) Methyl tert-butyl Ether	5.48	73	95421	19.593	ug/l	97
20) Methylene Chloride	4.97	84	54167	19.811	ug/l	95
21) trans-1,2-Dichloroethene	5.48	96	55687	19.364	ug/l	96
22) Diisopropyl ether	6.37	45	102374	19.881	ug/l	94
23) Vinyl Acetate	6.31	43	251889	93.449	ug/l	98
24) 1,1-Dichloroethane	6.27	63	82234	19.521	ug/l	98
25) 2-Butanone	7.21	43	39379	95.213	ug/l	89
26) 2,2-Dichloropropane	7.21	77	90441	20.342	ug/l	100
27) cis-1,2-Dichloroethene	7.22	96	59509	19.937	ug/l	99
28) Bromochloromethane	7.55	49	27328	18.237	ug/l	95
29) Tetrahydrofuran	7.57	42	23249	93.844	ug/l	96
30) Chloroform	7.71	83	102753	20.445	ug/l	99
31) Cyclohexane	7.99	56	69031	18.401	ug/l #	86
32) 1,1,1-Trichloroethane	7.91	97	101915	19.654	ug/l	97
36) 1,1-Dichloropropene	8.12	75	73349	20.164	ug/l	100
37) Ethyl Acetate	7.29	43	17294	18.313	ug/l #	85
38) Carbon Tetrachloride	8.10	117	100173	21.195	ug/l	98

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.36	83	87002	20.321	ug/l	96
40) Benzene	8.36	78	200244	20.323	ug/l	98
41) Methacrylonitrile	7.54	41	12004	21.265	ug/l #	87
42) 1,2-Dichloroethane	8.43	62	63756	20.943	ug/l	100
43) Isopropyl Acetate	8.46	43	37040	19.832	ug/l	96
44) Trichloroethene	9.11	130	66727	20.596	ug/l	91
45) 1,2-Dichloropropane	9.40	63	43715	20.520	ug/l	93
46) Dibromomethane	9.48	93	28500	21.041	ug/l	96
47) Bromodichloromethane	9.67	83	76744	20.845	ug/l	97
48) Methyl methacrylate	9.47	41	18003	18.669	ug/l	97
49) 1,4-Dioxane	9.47	88	5612	408.123	ug/l	98
51) 4-Methyl-2-Pentanone	10.23	43	89859	100.601	ug/l	97
52) Toluene	10.41	92	136206	20.638	ug/l	98
53) t-1,3-Dichloropropene	10.63	75	64493	20.454	ug/l	93
54) cis-1,3-Dichloropropene	10.10	75	77080	20.575	ug/l	97
55) 1,1,2-Trichloroethane	10.81	97	37045	20.670	ug/l	91
56) Ethyl methacrylate	10.67	69	33967	18.353	ug/l	98
57) 1,3-Dichloropropane	10.96	76	57246	19.850	ug/l	95
58) 2-Chloroethyl Vinyl ether	9.94	63	89462	103.657	ug/l	98
59) 2-Hexanone	10.99	43	60957	97.603	ug/l	98
60) Dibromochloromethane	11.14	129	54161	20.429	ug/l	96
61) 1,2-Dibromoethane	11.25	107	35243	19.593	ug/l	96
64) Tetrachloroethene	10.88	164	56883	19.897	ug/l	96
65) Chlorobenzene	11.67	112	150966	20.303	ug/l	97
66) 1,1,1,2-Tetrachloroethane	11.75	131	62294	21.256	ug/l	97
67) Ethyl Benzene	11.75	91	262064	20.596	ug/l	99
68) m/p-Xylenes	11.86	106	211097	42.644	ug/l	98
69) o-Xylene	12.18	106	93768	21.216	ug/l	95
70) Styrene	12.20	104	162009	21.036	ug/l	98
71) Bromoform	12.37	173	31940	21.369	ug/l #	98
73) Isopropylbenzene	12.48	105	264764	20.930	ug/l	99
74) N-amyl acetate	12.29	43	31425	18.879	ug/l	97
75) 1,1,2,2-Tetrachloroethane	12.74	83	34877	20.219	ug/l	99
76) 1,2,3-Trichloropropane	12.78	75	22436m	19.001	ug/l	
77) Bromobenzene	12.77	156	63919	20.574	ug/l	97
78) n-propylbenzene	12.83	91	299898	20.726	ug/l	99
79) 2-Chlorotoluene	12.91	91	172855	21.030	ug/l	99
80) 1,3,5-Trimethylbenzene	12.97	105	235326	21.777	ug/l	100
81) trans-1,4-Dichloro-2-buten	12.53	75	11220	19.292	ug/l	99
82) 4-Chlorotoluene	13.01	91	188126	21.341	ug/l	99
83) tert-Butylbenzene	13.23	119	195059	21.298	ug/l	100
84) 1,2,4-Trimethylbenzene	13.27	105	230432	21.422	ug/l	100
85) sec-Butylbenzene	13.41	105	264081	21.360	ug/l	100
86) p-Isopropyltoluene	13.52	119	250118	20.950	ug/l	98
87) 1,3-Dichlorobenzene	13.52	146	125542	21.178	ug/l	99
88) 1,4-Dichlorobenzene	13.60	146	118623	19.762	ug/l	97
89) n-Butylbenzene	13.85	91	215032	20.852	ug/l	99
90) Hexachloroethane	14.12	117	46655	20.751	ug/l	98
91) 1,2-Dichlorobenzene	13.90	146	102822	20.041	ug/l	98
92) 1,2-Dibromo-3-Chloropropan	14.51	75	6685	21.888	ug/l	95

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.17	180	72339	20.774	ug/l	99
94) Hexachlorobutadiene	15.27	225	48095	20.637	ug/l	99
95) Naphthalene	15.41	128	112170	20.873	ug/l	99
96) 1,2,3-Trichlorobenzene	15.60	180	62329	20.902	ug/l	99

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

