

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD111020\
 Data File : VD067576.D
 Acq On : 10 Nov 2020 12:21
 Operator : VA/SY
 Sample : VD1110SBS01
 Misc : 5.00G/5.00ml/MSVOA D/SOIL
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 VD1110SBS01

Manual Integrations
 APPROVED

MMDadoda
 11/11/2020 1:04:12 PM

Quant Time: Nov 11 00:22:36 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	7.99	168	311456	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.87	114	449499	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.65	117	407679	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.58	152	204505	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	120115	44.11	ug/l	0.00
Spiked Amount			Recovery	=	88.22%	
35) Dibromofluoromethane	7.91	113	127812	47.19	ug/l	0.00
Spiked Amount			Recovery	=	94.38%	
50) Toluene-d8	10.34	98	445897	46.85	ug/l	0.00
Spiked Amount			Recovery	=	93.70%	
62) 4-Bromofluorobenzene	12.64	95	158126	48.12	ug/l	0.00
Spiked Amount			Recovery	=	96.24%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	1.99	85	63079	22.520	ug/l	99
3) Chloromethane	2.21	50	39296	20.261	ug/l	99
4) Vinyl Chloride	2.35	62	42322	19.572	ug/l	90
5) Bromomethane	2.76	94	34232	19.532	ug/l	91
6) Chloroethane	2.92	64	25196	18.900	ug/l #	87
7) Trichlorofluoromethane	3.27	101	120214	21.471	ug/l	93
8) Diethyl Ether	3.71	74	22462	19.910	ug/l	99
9) 1,1,2-Trichlorotrifluoroet	4.10	101	62323	22.052	ug/l	100
10) Methyl Iodide	4.30	142	60828	20.082	ug/l	99
11) Tert butyl alcohol	5.23	59	20981m	172.515	ug/l	
12) 1,1-Dichloroethene	4.06	96	54863	21.105	ug/l	89
13) Acrolein	3.93	56	5154	66.156	ug/l #	81
14) Allyl chloride	4.71	41	53899	19.373	ug/l	95
15) Acrylonitrile	5.41	53	42835	102.714	ug/l	98
16) Acetone	4.16	43	37115	91.072	ug/l	98
17) Carbon Disulfide	4.41	76	163080	20.473	ug/l	100
18) Methyl Acetate	4.72	43	18251	21.672	ug/l	99
19) Methyl tert-butyl Ether	5.48	73	104783	20.435	ug/l	96
20) Methylene Chloride	4.97	84	63462	22.045	ug/l	97
21) trans-1,2-Dichloroethene	5.47	96	63548	20.988	ug/l	93
22) Diisopropyl ether	6.36	45	113380	20.912	ug/l	97
23) Vinyl Acetate	6.30	43	291370	102.667	ug/l	99
24) 1,1-Dichloroethane	6.27	63	91498	20.629	ug/l	96
25) 2-Butanone	7.21	43	44843	102.979	ug/l	94
26) 2,2-Dichloropropane	7.21	77	101474	21.677	ug/l	99
27) cis-1,2-Dichloroethene	7.21	96	66427	21.137	ug/l	100
28) Bromochloromethane	7.55	49	30945	19.614	ug/l #	1
29) Tetrahydrofuran	7.57	42	26253	100.647	ug/l	94
30) Chloroform	7.71	83	113099	21.374	ug/l	100
31) Cyclohexane	7.99	56	80570	20.398	ug/l #	87
32) 1,1,1-Trichloroethane	7.91	97	113020	20.701	ug/l	98
36) 1,1-Dichloropropene	8.11	75	84355	21.924	ug/l	97
37) Ethyl Acetate	7.30	43	20635	20.657	ug/l	99
38) Carbon Tetrachloride	8.10	117	111510	22.306	ug/l	95

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.36	83	97254	21.476	ug/l	97
40) Benzene	8.36	78	227931	21.869	ug/l	97
41) Methacrylonitrile	7.53	41	11324	18.965	ug/l	97
42) 1,2-Dichloroethane	8.43	62	67647	21.007	ug/l	97
43) Isopropyl Acetate	8.46	43	42658	21.593	ug/l	99
44) Trichloroethene	9.11	130	73743	21.519	ug/l	99
45) 1,2-Dichloropropane	9.38	63	49723	22.066	ug/l	91
46) Dibromomethane	9.48	93	30510	21.295	ug/l	99
47) Bromodichloromethane	9.67	83	83785	21.515	ug/l	97
48) Methyl methacrylate	9.46	41	19800	19.411	ug/l	89
49) 1,4-Dioxane	9.47	88	6731	462.771	ug/l #	89
51) 4-Methyl-2-Pentanone	10.23	43	102239	108.211	ug/l	99
52) Toluene	10.41	92	154936	22.194	ug/l	97
53) t-1,3-Dichloropropene	10.63	75	72557	21.754	ug/l	93
54) cis-1,3-Dichloropropene	10.10	75	85874	21.671	ug/l	97
55) 1,1,2-Trichloroethane	10.80	97	43026	22.696	ug/l	97
56) Ethyl methacrylate	10.67	69	39536	20.196	ug/l	98
57) 1,3-Dichloropropane	10.95	76	65660	21.524	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.94	63	95813	104.953	ug/l	98
59) 2-Hexanone	10.99	43	71304	107.936	ug/l	98
60) Dibromochloromethane	11.14	129	61150	21.806	ug/l	99
61) 1,2-Dibromoethane	11.25	107	39883	20.962	ug/l	98
64) Tetrachloroethene	10.88	164	65886	21.822	ug/l	99
65) Chlorobenzene	11.67	112	168491	21.456	ug/l	93
66) 1,1,1,2-Tetrachloroethane	11.75	131	65719	21.233	ug/l	96
67) Ethyl Benzene	11.75	91	296858	22.091	ug/l	97
68) m/p-Xylenes	11.86	106	232264	44.427	ug/l	99
69) o-Xylene	12.18	106	106517	22.820	ug/l	95
70) Styrene	12.20	104	180409	22.181	ug/l	98
71) Bromoform	12.37	173	34809	22.051	ug/l #	99
73) Isopropylbenzene	12.48	105	289847	21.930	ug/l	99
74) N-amyl acetate	12.30	43	38029	21.867	ug/l	98
75) 1,1,2,2-Tetrachloroethane	12.73	83	38610	21.423	ug/l	97
76) 1,2,3-Trichloropropane	12.79	75	26141m	21.189	ug/l	
77) Bromobenzene	12.77	156	69126	21.297	ug/l	97
78) n-propylbenzene	12.83	91	341967	22.620	ug/l	100
79) 2-Chlorotoluene	12.91	91	193074	22.483	ug/l	98
80) 1,3,5-Trimethylbenzene	12.97	105	259018	22.941	ug/l	100
81) trans-1,4-Dichloro-2-buten	12.53	75	12338	20.304	ug/l	95
82) 4-Chlorotoluene	13.01	91	209133	22.707	ug/l	99
83) tert-Butylbenzene	13.23	119	221655	23.164	ug/l	97
84) 1,2,4-Trimethylbenzene	13.27	105	254816	22.673	ug/l	97
85) sec-Butylbenzene	13.40	105	295070	22.843	ug/l	99
86) p-Isopropyltoluene	13.52	119	283421	22.721	ug/l	99
87) 1,3-Dichlorobenzene	13.52	146	141553	22.855	ug/l	98
88) 1,4-Dichlorobenzene	13.60	146	136102	21.702	ug/l	97
89) n-Butylbenzene	13.85	91	238595	22.144	ug/l	99
90) Hexachloroethane	14.11	117	52138	22.195	ug/l	99
91) 1,2-Dichlorobenzene	13.90	146	120434	22.468	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.51	75	7427	23.275	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	82108	22.568	ug/l	98
94) Hexachlorobutadiene	15.27	225	55247	22.689	ug/l	97
95) Naphthalene	15.41	128	121839	21.700	ug/l	99
96) 1,2,3-Trichlorobenzene	15.60	180	68081	21.852	ug/l	97

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

