

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD102020\
 Data File : VD067315.D
 Acq On : 20 Oct 2020 11:12
 Operator : VA/SY
 Sample : VD1020SBS01
 Misc : 5.00G/5.00ml/MSVOA D/SOIL
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 VD1020SBS01

Manual Integrations
 APPROVED

MMDadoda
 10/21/2020 2:51:55 PM

Quant Time: Oct 21 03:09:50 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D101320S.M
 Quant Title : SW846 8260
 QLast Update : Mon Oct 19 19:13:29 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.98	168	328033	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.87	114	498891	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.65	117	461422	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.58	152	231193	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.34	65	158072	48.10	ug/l	0.00
Spiked Amount	50.000		Recovery	=	96.20%	
35) Dibromofluoromethane	7.91	113	162031	48.80	ug/l	0.00
Spiked Amount	50.000		Recovery	=	97.60%	
50) Toluene-d8	10.34	98	584835	48.67	ug/l	0.00
Spiked Amount	50.000		Recovery	=	97.34%	
62) 4-Bromofluorobenzene	12.64	95	202670	48.51	ug/l	0.00
Spiked Amount	50.000		Recovery	=	97.02%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.99	85	61922	20.979	ug/l	96
3) Chloromethane	2.21	50	42644	20.656	ug/l	94
4) Vinyl Chloride	2.35	62	48975	21.621	ug/l	100
5) Bromomethane	2.76	94	37598	22.563	ug/l	92
6) Chloroethane	2.92	64	29485	20.901	ug/l	97
7) Trichlorofluoromethane	3.27	101	118473	20.771	ug/l	95
8) Diethyl Ether	3.71	74	25659	19.659	ug/l	93
9) 1,1,2-Trichlorotrifluoroet	4.10	101	63820	21.060	ug/l	97
10) Methyl Iodide	4.30	142	58494	20.925	ug/l	99
11) Tert butyl alcohol	5.21	59	18346	75.556	ug/l	100
12) 1,1-Dichloroethene	4.07	96	55392	20.460	ug/l	99
13) Acrolein	3.92	56	11483	75.061	ug/l	98
14) Allyl chloride	4.72	41	63815	20.583	ug/l	99
15) Acrylonitrile	5.43	53	44624	102.464	ug/l	97
16) Acetone	4.16	43	45808	99.526	ug/l	99
17) Carbon Disulfide	4.41	76	156688	20.302	ug/l	99
18) Methyl Acetate	4.71	43	20586	19.610	ug/l #	80
19) Methyl tert-butyl Ether	5.47	73	108788	20.209	ug/l	96
20) Methylene Chloride	4.97	84	69204	20.857	ug/l	89
21) trans-1,2-Dichloroethene	5.47	96	65577	21.049	ug/l	92
22) Diisopropyl ether	6.37	45	123678	21.837	ug/l	92
23) Vinyl Acetate	6.31	43	343095	106.479	ug/l	98
24) 1,1-Dichloroethane	6.26	63	105024	21.663	ug/l	97
25) 2-Butanone	7.21	43	55810	106.376	ug/l	90
26) 2,2-Dichloropropane	7.21	77	106577	21.328	ug/l	99
27) cis-1,2-Dichloroethene	7.22	96	73604	21.556	ug/l	97
28) Bromochloromethane	7.54	49	33712	20.386	ug/l #	97
29) Tetrahydrofuran	7.56	42	30178	103.476	ug/l	96
30) Chloroform	7.71	83	122970	21.232	ug/l	89
31) Cyclohexane	7.98	56	77771	20.546	ug/l #	84
32) 1,1,1-Trichloroethane	7.90	97	120446	21.196	ug/l	99
36) 1,1-Dichloropropene	8.12	75	89273	21.113	ug/l	99
37) Ethyl Acetate	7.28	43	24562	19.743	ug/l #	93
38) Carbon Tetrachloride	8.10	117	117226	21.691	ug/l	96

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.36	83	92242	20.867	ug/l	93
40) Benzene	8.36	78	250271	21.575	ug/l	98
41) Methacrylonitrile	7.53	41	12332m	18.343	ug/l	
42) 1,2-Dichloroethane	8.43	62	76534	21.082	ug/l	99
43) Isopropyl Acetate	8.46	43	51480	20.854	ug/l	98
44) Trichloroethene	9.11	130	79768	21.477	ug/l	99
45) 1,2-Dichloropropane	9.40	63	58128	21.621	ug/l	96
46) Dibromomethane	9.48	93	36326	21.687	ug/l	92
47) Bromodichloromethane	9.67	83	96755	21.560	ug/l	94
48) Methyl methacrylate	9.46	41	24377	20.320	ug/l	97
49) 1,4-Dioxane	9.47	88	7185	425.811	ug/l	90
51) 4-Methyl-2-Pentanone	10.23	43	127752	103.758	ug/l	97
52) Toluene	10.41	92	173553	21.966	ug/l	100
53) t-1,3-Dichloropropene	10.63	75	84578	21.454	ug/l	96
54) cis-1,3-Dichloropropene	10.09	75	97538	21.141	ug/l	97
55) 1,1,2-Trichloroethane	10.80	97	47363	20.736	ug/l	94
56) Ethyl methacrylate	10.67	69	50612	21.365	ug/l	96
57) 1,3-Dichloropropane	10.95	76	78642	21.634	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.94	63	134605	110.764	ug/l	98
59) 2-Hexanone	10.99	43	87561	104.072	ug/l	100
60) Dibromochloromethane	11.14	129	70620	21.200	ug/l	100
61) 1,2-Dibromoethane	11.25	107	46139	20.489	ug/l	97
64) Tetrachloroethene	10.88	164	73768	22.065	ug/l	84
65) Chlorobenzene	11.67	112	188336	21.285	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.74	131	76647	21.795	ug/l	98
67) Ethyl Benzene	11.75	91	327874	21.617	ug/l	98
68) m/p-Xylenes	11.86	106	251838	43.117	ug/l	100
69) o-Xylene	12.18	106	113203	20.930	ug/l	98
70) Styrene	12.20	104	197514	21.214	ug/l	98
71) Bromoform	12.37	173	39827	21.081	ug/l #	100
73) Isopropylbenzene	12.48	105	320342	21.832	ug/l	99
74) N-amyl acetate	12.29	43	47422	21.399	ug/l	98
75) 1,1,2,2-Tetrachloroethane	12.74	83	48765	21.690	ug/l	98
76) 1,2,3-Trichloropropane	12.78	75	35808m	22.347	ug/l	
77) Bromobenzene	12.77	156	80445	21.991	ug/l	99
78) n-propylbenzene	12.83	91	377369	22.197	ug/l	100
79) 2-Chlorotoluene	12.91	91	211955	21.499	ug/l	100
80) 1,3,5-Trimethylbenzene	12.97	105	281179	22.052	ug/l	99
81) trans-1,4-Dichloro-2-buten	12.53	75	15364	21.743	ug/l	94
82) 4-Chlorotoluene	13.01	91	232011	22.173	ug/l	100
83) tert-Butylbenzene	13.23	119	235958	21.907	ug/l	99
84) 1,2,4-Trimethylbenzene	13.27	105	283998	22.535	ug/l	100
85) sec-Butylbenzene	13.41	105	324572	21.962	ug/l	99
86) p-Isopropyltoluene	13.52	119	308425	22.110	ug/l	98
87) 1,3-Dichlorobenzene	13.52	146	154161	21.895	ug/l	97
88) 1,4-Dichlorobenzene	13.60	146	150353	21.553	ug/l	98
89) n-Butylbenzene	13.85	91	269859	21.990	ug/l	98
90) Hexachloroethane	14.12	117	53098	21.813	ug/l	95
91) 1,2-Dichlorobenzene	13.90	146	132901	21.606	ug/l	98
92) 1,2-Dibromo-3-Chloropropan	14.51	75	8637	21.146	ug/l	93

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.17	180	91157	21.981	ug/l	99
94) Hexachlorobutadiene	15.27	225	57187	22.206	ug/l	98
95) Naphthalene	15.41	128	139053	20.422	ug/l	100
96) 1,2,3-Trichlorobenzene	15.61	180	78203	21.827	ug/l	99

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

