

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD101320\
 Data File : VD067252.D
 Acq On : 13 Oct 2020 15:14
 Operator : VA/SY
 Sample : VD1013SBS01
 Misc : 5.00G/5.00ml/MSVOA D/SOIL
 ALS Vial : 13 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 VD1013SBS01

Manual Integrations
 APPROVED

MMDadoda
 10/14/2020 2:10:22 PM

Quant Time: Oct 14 02:37:28 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D101320S.M
 Quant Title : SW846 8260
 QLast Update : Tue Oct 13 13:05:03 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.98	168	358224	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.87	114	539878	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.65	117	507116	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.58	152	255252	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.33	65	178342	49.69	ug/l	0.00
Spiked Amount	50.000		Recovery	=	99.38%	
35) Dibromofluoromethane	7.92	113	183800	51.16	ug/l	0.00
Spiked Amount	50.000		Recovery	=	102.32%	
50) Toluene-d8	10.34	98	672358	51.71	ug/l	0.00
Spiked Amount	50.000		Recovery	=	103.42%	
62) 4-Bromofluorobenzene	12.64	95	232993	51.53	ug/l	0.00
Spiked Amount	50.000		Recovery	=	103.06%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.99	85	65265	20.081	ug/l	93
3) Chloromethane	2.20	50	45742	20.289	ug/l	92
4) Vinyl Chloride	2.34	62	47134	19.054	ug/l	98
5) Bromomethane	2.76	94	36347	19.691	ug/l	90
6) Chloroethane	2.91	64	29165	18.932	ug/l #	88
7) Trichlorofluoromethane	3.27	101	122235	19.624	ug/l	98
8) Diethyl Ether	3.71	74	27947	19.607	ug/l	97
9) 1,1,2-Trichlorotrifluoroet	4.10	101	65462	19.781	ug/l	99
10) Methyl Iodide	4.30	142	57619	18.874	ug/l	97
11) Tert butyl alcohol	5.20	59	24820m	106.925	ug/l	
12) 1,1-Dichloroethene	4.06	96	56856	19.231	ug/l	98
13) Acrolein	3.92	56	15548	87.870	ug/l	92
14) Allyl chloride	4.71	41	69212	20.442	ug/l	96
15) Acrylonitrile	5.42	53	47453	99.777	ug/l	96
16) Acetone	4.16	43	46453	92.421	ug/l	100
17) Carbon Disulfide	4.40	76	168375	19.977	ug/l	98
18) Methyl Acetate	4.71	43	23108	20.157	ug/l	96
19) Methyl tert-butyl Ether	5.48	73	117867	20.050	ug/l	96
20) Methylene Chloride	4.96	84	74769	20.583	ug/l	95
21) trans-1,2-Dichloroethene	5.47	96	66886	19.659	ug/l	99
22) Diisopropyl ether	6.36	45	133407	21.570	ug/l	94
23) Vinyl Acetate	6.31	43	369603	105.039	ug/l	97
24) 1,1-Dichloroethane	6.27	63	104888	19.811	ug/l	99
25) 2-Butanone	7.22	43	58589	102.261	ug/l	97
26) 2,2-Dichloropropane	7.21	77	104844	19.213	ug/l	99
27) cis-1,2-Dichloroethene	7.21	96	73630	19.746	ug/l	97
28) Bromochloromethane	7.55	49	36246	20.072	ug/l #	97
29) Tetrahydrofuran	7.56	42	33034	103.723	ug/l	98
30) Chloroform	7.71	83	128037	20.244	ug/l	91
31) Cyclohexane	7.99	56	80853	19.560	ug/l #	89
32) 1,1,1-Trichloroethane	7.91	97	121751	19.620	ug/l	99
36) 1,1-Dichloropropene	8.11	75	92145	20.137	ug/l	99
37) Ethyl Acetate	7.29	43	25394	18.862	ug/l	98
38) Carbon Tetrachloride	8.09	117	111788	19.115	ug/l	98

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.36	83	93923	19.634	ug/l	100
40) Benzene	8.35	78	255297	20.337	ug/l	98
41) Methacrylonitrile	7.53	41	17758	24.409	ug/l #	78
42) 1,2-Dichloroethane	8.43	62	79215	20.164	ug/l	98
43) Isopropyl Acetate	8.46	43	55145	20.643	ug/l	97
44) Trichloroethene	9.11	130	81478	20.272	ug/l	93
45) 1,2-Dichloropropane	9.39	63	59258	20.368	ug/l	99
46) Dibromomethane	9.48	93	36085	19.907	ug/l	98
47) Bromodichloromethane	9.66	83	99563	20.501	ug/l	95
48) Methyl methacrylate	9.46	41	24643	18.982	ug/l	99
49) 1,4-Dioxane	9.47	88	7675	419.914	ug/l	97
51) 4-Methyl-2-Pentanone	10.23	43	137956	103.539	ug/l	99
52) Toluene	10.41	92	176045	20.590	ug/l	99
53) t-1,3-Dichloropropene	10.63	75	85357	20.008	ug/l	95
54) cis-1,3-Dichloropropene	10.09	75	99341	19.897	ug/l	98
55) 1,1,2-Trichloroethane	10.80	97	51919	21.005	ug/l	98
56) Ethyl methacrylate	10.67	69	53161	20.737	ug/l	95
57) 1,3-Dichloropropane	10.95	76	82637	21.008	ug/l	98
58) 2-Chloroethyl Vinyl ether	9.94	63	136656	103.914	ug/l	100
59) 2-Hexanone	10.99	43	94548	103.845	ug/l	100
60) Dibromochloromethane	11.14	129	74692	20.720	ug/l	96
61) 1,2-Dibromoethane	11.25	107	49884	20.471	ug/l	100
64) Tetrachloroethene	10.88	164	72178	19.644	ug/l	99
65) Chlorobenzene	11.67	112	193168	19.864	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.75	131	77894	20.154	ug/l	97
67) Ethyl Benzene	11.75	91	330895	19.850	ug/l	100
68) m/p-Xylenes	11.86	106	260624	40.601	ug/l	100
69) o-Xylene	12.18	106	115962	19.508	ug/l	99
70) Styrene	12.20	104	204832	20.018	ug/l	98
71) Bromoform	12.37	173	42972	20.696	ug/l #	100
73) Isopropylbenzene	12.48	105	333170	20.566	ug/l	99
74) N-amyl acetate	12.30	43	49323	20.159	ug/l	98
75) 1,1,2,2-Tetrachloroethane	12.74	83	51528	20.759	ug/l	99
76) 1,2,3-Trichloropropane	12.79	75	32379m	18.302	ug/l	
77) Bromobenzene	12.77	156	82706	20.478	ug/l	98
78) n-propylbenzene	12.83	91	383381	20.425	ug/l	100
79) 2-Chlorotoluene	12.91	91	218802	20.101	ug/l	99
80) 1,3,5-Trimethylbenzene	12.97	105	288044	20.461	ug/l	100
81) trans-1,4-Dichloro-2-buten	12.54	75	15649	20.059	ug/l	98
82) 4-Chlorotoluene	13.01	91	239465	20.728	ug/l	100
83) tert-Butylbenzene	13.23	119	239387	20.131	ug/l	98
84) 1,2,4-Trimethylbenzene	13.28	105	289208	20.785	ug/l	100
85) sec-Butylbenzene	13.41	105	327992	20.101	ug/l	99
86) p-Isopropyltoluene	13.53	119	305964	19.866	ug/l	98
87) 1,3-Dichlorobenzene	13.53	146	161672	20.797	ug/l	97
88) 1,4-Dichlorobenzene	13.60	146	156783	20.356	ug/l	98
89) n-Butylbenzene	13.85	91	269093	19.861	ug/l	99
90) Hexachloroethane	14.12	117	53882	20.048	ug/l	95
91) 1,2-Dichlorobenzene	13.90	146	140506	20.690	ug/l	97
92) 1,2-Dibromo-3-Chloropropan	14.51	75	9052	20.073	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	91047	19.885	ug/l	99
94) Hexachlorobutadiene	15.28	225	55253	19.432	ug/l	97
95) Naphthalene	15.41	128	150837	20.065	ug/l	98
96) 1,2,3-Trichlorobenzene	15.60	180	80800	20.427	ug/l	99

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

