

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD110620\
 Data File : VD067550.D
 Acq On : 06 Nov 2020 14:11
 Operator : VA/SY
 Sample : VD1106SBS01
 Misc : 5.00G/5.00ml/MSVOA D/SOIL
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 VD1106SBS01

Manual Integrations
 APPROVED

MMDadoda
 11/9/2020 10:13:26 AM

Quant Time: Nov 06 23:55:33 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	291128	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.87	114	440703	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.65	117	398629	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.58	152	199558	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.33	65	127766	50.19	ug/l	0.00
Spiked Amount	50.000		Recovery	=	100.38%	
35) Dibromofluoromethane	7.91	113	127503	48.02	ug/l	0.00
Spiked Amount	50.000		Recovery	=	96.04%	
50) Toluene-d8	10.34	98	438847	47.03	ug/l	0.00
Spiked Amount	50.000		Recovery	=	94.06%	
62) 4-Bromofluorobenzene	12.64	95	158231	49.12	ug/l	0.00
Spiked Amount	50.000		Recovery	=	98.24%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.99	85	59191	22.627	ug/l	99
3) Chloromethane	2.21	50	38921	21.469	ug/l	95
4) Vinyl Chloride	2.35	62	42070	20.814	ug/l	97
5) Bromomethane	2.76	94	35517	21.680	ug/l	89
6) Chloroethane	2.91	64	25791	20.697	ug/l	92
7) Trichlorofluoromethane	3.27	101	108418	20.716	ug/l	88
8) Diethyl Ether	3.71	74	23237	22.035	ug/l	96
9) 1,1,2-Trichlorotrifluoroet	4.10	101	56110	21.240	ug/l	97
10) Methyl Iodide	4.30	142	52895	18.682	ug/l #	96
11) Tert butyl alcohol	5.21	59	17072	147.329	ug/l	98
12) 1,1-Dichloroethene	4.07	96	51491	21.191	ug/l	97
13) Acrolein	3.92	56	6073	76.006	ug/l	99
14) Allyl chloride	4.71	41	53397	20.533	ug/l	98
15) Acrylonitrile	5.41	53	46030	118.082	ug/l	98
16) Acetone	4.16	43	37379	98.125	ug/l	92
17) Carbon Disulfide	4.40	76	153724	20.646	ug/l #	95
18) Methyl Acetate	4.70	43	20425	25.947	ug/l	98
19) Methyl tert-butyl Ether	5.47	73	109311	22.806	ug/l	95
20) Methylene Chloride	4.96	84	69858	25.961	ug/l	96
21) trans-1,2-Dichloroethene	5.47	96	60477	21.369	ug/l	96
22) Diisopropyl ether	6.36	45	115614	22.813	ug/l	96
23) Vinyl Acetate	6.31	43	296814	111.888	ug/l	98
24) 1,1-Dichloroethane	6.26	63	89097	21.490	ug/l	94
25) 2-Butanone	7.21	43	46175	113.441	ug/l	92
26) 2,2-Dichloropropane	7.21	77	91325	20.871	ug/l	100
27) cis-1,2-Dichloroethene	7.21	96	63766	21.707	ug/l	98
28) Bromochloromethane	7.54	49	29941	20.303	ug/l	99
29) Tetrahydrofuran	7.57	42	29510	121.033	ug/l	99
30) Chloroform	7.71	83	112512	22.747	ug/l	99
31) Cyclohexane	7.99	56	71551	19.380	ug/l #	84
32) 1,1,1-Trichloroethane	7.90	97	111284	21.806	ug/l	99
36) 1,1-Dichloropropene	8.11	75	75991	20.144	ug/l	98
37) Ethyl Acetate	7.29	43	22166	22.633	ug/l #	75
38) Carbon Tetrachloride	8.10	117	104459	21.312	ug/l	98

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.36	83	84814	19.102	ug/l	97
40) Benzene	8.35	78	218241	21.358	ug/l	97
41) Methacrylonitrile	7.52	41	9309	15.902	ug/l #	69
42) 1,2-Dichloroethane	8.43	62	70266	22.256	ug/l	100
43) Isopropyl Acetate	8.45	43	43766	22.596	ug/l	99
44) Trichloroethene	9.11	130	70342	20.936	ug/l	98
45) 1,2-Dichloropropane	9.39	63	49232	22.284	ug/l	95
46) Dibromomethane	9.48	93	30890	21.990	ug/l	96
47) Bromodichloromethane	9.67	83	84306	22.081	ug/l	100
48) Methyl methacrylate	9.46	41	22485	22.484	ug/l	99
49) 1,4-Dioxane	9.47	88	6336	444.308	ug/l	91
51) 4-Methyl-2-Pentanone	10.23	43	107875	116.455	ug/l	95
52) Toluene	10.41	92	153705	22.458	ug/l	96
53) t-1,3-Dichloropropene	10.62	75	75206	22.999	ug/l	93
54) cis-1,3-Dichloropropene	10.10	75	82663	21.277	ug/l	99
55) 1,1,2-Trichloroethane	10.81	97	41561	22.361	ug/l	96
56) Ethyl methacrylate	10.67	69	41383	21.561	ug/l	99
57) 1,3-Dichloropropane	10.96	76	68384	22.864	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.94	63	102488	114.506	ug/l	99
59) 2-Hexanone	10.99	43	71968	111.115	ug/l	98
60) Dibromochloromethane	11.14	129	64671	23.522	ug/l	99
61) 1,2-Dibromoethane	11.25	107	41881	22.452	ug/l	99
64) Tetrachloroethene	10.88	164	64362	21.801	ug/l	92
65) Chlorobenzene	11.67	112	165955	21.612	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.74	131	67755	22.388	ug/l	99
67) Ethyl Benzene	11.75	91	289042	21.998	ug/l	98
68) m/p-Xylenes	11.86	106	222693	43.563	ug/l	100
69) o-Xylene	12.19	106	101269	22.188	ug/l	98
70) Styrene	12.20	104	176114	22.144	ug/l	99
71) Bromoform	12.36	173	36215	23.463	ug/l #	98
73) Isopropylbenzene	12.48	105	277556	21.521	ug/l	100
74) N-amyl acetate	12.30	43	36982	21.792	ug/l	98
75) 1,1,2,2-Tetrachloroethane	12.74	83	39889	22.681	ug/l	99
76) 1,2,3-Trichloropropane	12.78	75	25278m	20.998	ug/l	
77) Bromobenzene	12.77	156	68029	21.478	ug/l	96
78) n-propylbenzene	12.83	91	315963	21.418	ug/l	99
79) 2-Chlorotoluene	12.91	91	183257	21.869	ug/l	99
80) 1,3,5-Trimethylbenzene	12.97	105	243018	22.058	ug/l	99
81) trans-1,4-Dichloro-2-buten	12.53	75	12886	21.732	ug/l	95
82) 4-Chlorotoluene	13.01	91	196811	21.898	ug/l	99
83) tert-Butylbenzene	13.23	119	200423	21.465	ug/l	99
84) 1,2,4-Trimethylbenzene	13.27	105	237844	21.688	ug/l	100
85) sec-Butylbenzene	13.41	105	270972	21.497	ug/l	100
86) p-Isopropyltoluene	13.52	119	255332	20.977	ug/l	99
87) 1,3-Dichlorobenzene	13.52	146	134989	22.335	ug/l	100
88) 1,4-Dichlorobenzene	13.60	146	135614	22.160	ug/l	99
89) n-Butylbenzene	13.85	91	215256	20.474	ug/l	99
90) Hexachloroethane	14.11	117	47756	20.834	ug/l	98
91) 1,2-Dichlorobenzene	13.90	146	115068	21.999	ug/l	97
92) 1,2-Dibromo-3-Chloropropan	14.51	75	7868	25.268	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	78913	22.228	ug/l	96
94) Hexachlorobutadiene	15.27	225	48617	20.462	ug/l	98
95) Naphthalene	15.40	128	128512	23.456	ug/l	99
96) 1,2,3-Trichlorobenzene	15.60	180	67359	22.157	ug/l	99

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

