

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD101320\
 Data File : VD067251.D
 Acq On : 13 Oct 2020 14:47
 Operator : VA/SY
 Sample : VD1013SBS01
 Misc : 5.00G/5.00ml/MSVOA D/SOIL
 ALS Vial : 12 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 VD1013SBS01

Manual Integrations
 APPROVED

MMDadoda
 10/14/2020 2:10:19 PM

Quant Time: Oct 14 02:35:38 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	350690	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.87	114	534927	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.65	117	507490	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.58	152	257980	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.33	65	173405	49.36	ug/l	0.00
Spiked Amount	50.000		Recovery	=	98.72%	
35) Dibromofluoromethane	7.91	113	183099	51.43	ug/l	0.00
Spiked Amount	50.000		Recovery	=	102.86%	
50) Toluene-d8	10.34	98	664044	51.54	ug/l	0.00
Spiked Amount	50.000		Recovery	=	103.08%	
62) 4-Bromofluorobenzene	12.64	95	233143	52.04	ug/l	0.00
Spiked Amount	50.000		Recovery	=	104.08%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.99	85	70236	22.550	ug/l	96
3) Chloromethane	2.20	50	47119	21.349	ug/l	100
4) Vinyl Chloride	2.35	62	50484	20.847	ug/l	96
5) Bromomethane	2.76	94	36722	20.401	ug/l	94
6) Chloroethane	2.91	64	29585	19.617	ug/l	97
7) Trichlorofluoromethane	3.27	101	126320	20.716	ug/l	100
8) Diethyl Ether	3.70	74	28852	20.677	ug/l	87
9) 1,1,2-Trichlorotrifluoroet	4.09	101	69120	21.335	ug/l	98
10) Methyl Iodide	4.30	142	54957	18.389	ug/l	96
11) Tert butyl alcohol	5.21	59	27816m	130.481	ug/l	
12) 1,1-Dichloroethene	4.06	96	62805	21.699	ug/l	91
13) Acrolein	3.93	56	15598	89.510	ug/l	97
14) Allyl chloride	4.71	41	69458	20.956	ug/l	99
15) Acrylonitrile	5.43	53	49727	106.805	ug/l	99
16) Acetone	4.16	43	50237	102.097	ug/l	99
17) Carbon Disulfide	4.40	76	171415	20.775	ug/l	96
18) Methyl Acetate	4.71	43	24842	22.135	ug/l	95
19) Methyl tert-butyl Ether	5.47	73	123821	21.515	ug/l	100
20) Methylene Chloride	4.96	84	79713	22.854	ug/l	95
21) trans-1,2-Dichloroethene	5.47	96	69307	20.809	ug/l	93
22) Diisopropyl ether	6.36	45	137684	22.739	ug/l	96
23) Vinyl Acetate	6.30	43	384735	111.688	ug/l	98
24) 1,1-Dichloroethane	6.26	63	111649	21.541	ug/l	97
25) 2-Butanone	7.21	43	60698	108.218	ug/l	94
26) 2,2-Dichloropropane	7.21	77	108257	20.264	ug/l	100
27) cis-1,2-Dichloroethene	7.21	96	76632	20.993	ug/l	96
28) Bromochloromethane	7.55	49	35204	19.913	ug/l	99
29) Tetrahydrofuran	7.56	42	34545	110.797	ug/l	96
30) Chloroform	7.71	83	131329	21.211	ug/l	92
31) Cyclohexane	7.98	56	83240	20.570	ug/l #	80
32) 1,1,1-Trichloroethane	7.90	97	126883	20.886	ug/l	98
36) 1,1-Dichloropropene	8.11	75	93446	20.611	ug/l	99
37) Ethyl Acetate	7.29	43	27946	20.950	ug/l #	93
38) Carbon Tetrachloride	8.10	117	121200	20.916	ug/l	98

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.36	83	97917	20.658	ug/l	96
40) Benzene	8.35	78	263469	21.182	ug/l	99
41) Methacrylonitrile	7.52	41	17027	23.621	ug/l #	74
42) 1,2-Dichloroethane	8.42	62	80688	20.729	ug/l	99
43) Isopropyl Acetate	8.45	43	58059	21.935	ug/l	98
44) Trichloroethene	9.11	130	83974	21.086	ug/l	94
45) 1,2-Dichloropropane	9.38	63	61200	21.231	ug/l	93
46) Dibromomethane	9.48	93	36499	20.322	ug/l	96
47) Bromodichloromethane	9.66	83	102075	21.213	ug/l	100
48) Methyl methacrylate	9.46	41	26543	20.635	ug/l	99
49) 1,4-Dioxane	9.46	88	7708	426.049	ug/l	92
51) 4-Methyl-2-Pentanone	10.23	43	144571	109.508	ug/l	98
52) Toluene	10.41	92	179864	21.231	ug/l	97
53) t-1,3-Dichloropropene	10.63	75	89247	21.113	ug/l	99
54) cis-1,3-Dichloropropene	10.09	75	103710	20.964	ug/l	96
55) 1,1,2-Trichloroethane	10.80	97	52358	21.378	ug/l	99
56) Ethyl methacrylate	10.66	69	54083	21.292	ug/l	96
57) 1,3-Dichloropropane	10.95	76	85543	21.948	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.94	63	141168	108.339	ug/l	100
59) 2-Hexanone	10.99	43	100828	111.767	ug/l	99
60) Dibromochloromethane	11.14	129	75369	21.102	ug/l	99
61) 1,2-Dibromoethane	11.25	107	51062	21.148	ug/l	97
64) Tetrachloroethene	10.88	164	71064	19.327	ug/l	97
65) Chlorobenzene	11.68	112	205790	21.146	ug/l	100
66) 1,1,1,2-Tetrachloroethane	11.75	131	79964	20.674	ug/l	97
67) Ethyl Benzene	11.75	91	340161	20.391	ug/l	100
68) m/p-Xylenes	11.86	106	267293	41.609	ug/l	99
69) o-Xylene	12.18	106	121110	20.359	ug/l	98
70) Styrene	12.20	104	213568	20.856	ug/l	99
71) Bromoform	12.37	173	43589	20.978	ug/l #	99
73) Isopropylbenzene	12.48	105	341949	20.885	ug/l	99
74) N-amyl acetate	12.29	43	53490	21.631	ug/l	98
75) 1,1,2,2-Tetrachloroethane	12.74	83	52996	21.125	ug/l	100
76) 1,2,3-Trichloropropane	12.79	75	32584m	18.223	ug/l	
77) Bromobenzene	12.77	156	87529	21.443	ug/l	97
78) n-propylbenzene	12.83	91	391710	20.649	ug/l	98
79) 2-Chlorotoluene	12.91	91	230906	20.989	ug/l	99
80) 1,3,5-Trimethylbenzene	12.97	105	297930	20.939	ug/l	99
81) trans-1,4-Dichloro-2-buten	12.54	75	16909	21.445	ug/l	97
82) 4-Chlorotoluene	13.01	91	240467	20.595	ug/l	99
83) tert-Butylbenzene	13.23	119	249196	20.734	ug/l	98
84) 1,2,4-Trimethylbenzene	13.28	105	294443	20.938	ug/l	99
85) sec-Butylbenzene	13.41	105	337557	20.469	ug/l	99
86) p-Isopropyltoluene	13.53	119	322830	20.740	ug/l	99
87) 1,3-Dichlorobenzene	13.53	146	161933	20.610	ug/l	99
88) 1,4-Dichlorobenzene	13.60	146	164647	21.151	ug/l	99
89) n-Butylbenzene	13.85	91	281070	20.525	ug/l	99
90) Hexachloroethane	14.12	117	55283	20.352	ug/l	95
91) 1,2-Dichlorobenzene	13.90	146	139038	20.257	ug/l	98
92) 1,2-Dibromo-3-Chloropropan	14.51	75	9139	20.052	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	95223	20.577	ug/l	99
94) Hexachlorobutadiene	15.28	225	57565	20.031	ug/l	98
95) Naphthalene	15.41	128	155149	20.420	ug/l	99
96) 1,2,3-Trichlorobenzene	15.60	180	82426	20.617	ug/l	97

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

