

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD103020\
 Data File : VD067463.D
 Acq On : 30 Oct 2020 10:44
 Operator : VA/SY
 Sample : VD1030SBS01
 Misc : 5.00G/5.00ml/MSVOA D/SOIL
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 VD1030SBS01

Manual Integrations
 APPROVED

MMDadoda
 11/2/2020 4:09:30 PM

Quant Time: Oct 30 11:24:28 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	302565	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.87	114	453498	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.65	117	417492	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.58	152	214332	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.34	65	152007	50.15	ug/l	0.00
Spiked Amount	50.000		Recovery	=	100.30%	
35) Dibromofluoromethane	7.92	113	156205	51.76	ug/l	0.00
Spiked Amount	50.000		Recovery	=	103.52%	
50) Toluene-d8	10.34	98	556401	50.94	ug/l	0.00
Spiked Amount	50.000		Recovery	=	101.88%	
62) 4-Bromofluorobenzene	12.64	95	197965	52.13	ug/l	0.00
Spiked Amount	50.000		Recovery	=	104.26%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.99	85	50562	18.022	ug/l	95
3) Chloromethane	2.21	50	32423	17.027	ug/l	97
4) Vinyl Chloride	2.35	62	39952	19.122	ug/l	91
5) Bromomethane	2.77	94	31010	19.915	ug/l	95
6) Chloroethane	2.92	64	24315	18.687	ug/l	95
7) Trichlorofluoromethane	3.27	101	108698	20.661	ug/l	93
8) Diethyl Ether	3.71	74	22783	18.925	ug/l	94
9) 1,1,2-Trichlorotrifluoroet	4.10	101	58131	20.797	ug/l	99
10) Methyl Iodide	4.30	142	48309	18.736	ug/l	96
11) Tert butyl alcohol	5.21	59	20576	103.917	ug/l #	91
12) 1,1-Dichloroethene	4.07	96	48398	19.382	ug/l	91
13) Acrolein	3.92	56	7845	61.215	ug/l	100
14) Allyl chloride	4.71	41	54031	18.894	ug/l	98
15) Acrylonitrile	5.43	53	41593	103.543	ug/l	97
16) Acetone	4.16	43	45764	107.800	ug/l	94
17) Carbon Disulfide	4.41	76	126530	17.774	ug/l	100
18) Methyl Acetate	4.71	43	19283	19.915	ug/l	92
19) Methyl tert-butyl Ether	5.48	73	98409	19.819	ug/l	99
20) Methylene Chloride	4.97	84	61175	19.784	ug/l	94
21) trans-1,2-Dichloroethene	5.47	96	57848	20.131	ug/l	86
22) Diisopropyl ether	6.37	45	106934	20.470	ug/l	97
23) Vinyl Acetate	6.31	43	299109	100.642	ug/l	97
24) 1,1-Dichloroethane	6.27	63	90293	20.192	ug/l	94
25) 2-Butanone	7.21	43	48322	99.856	ug/l	90
26) 2,2-Dichloropropane	7.21	77	95027	20.617	ug/l	100
27) cis-1,2-Dichloroethene	7.22	96	62759	19.927	ug/l	97
28) Bromochloromethane	7.56	49	29566	19.384	ug/l #	99
29) Tetrahydrofuran	7.57	42	27003	100.383	ug/l	94
30) Chloroform	7.71	83	112621	21.082	ug/l	96
31) Cyclohexane	7.99	56	65161	18.664	ug/l	84
32) 1,1,1-Trichloroethane	7.90	97	109685	20.927	ug/l	98
36) 1,1-Dichloropropene	8.12	75	76481	19.898	ug/l	97
37) Ethyl Acetate	7.30	43	23525	20.802	ug/l	94
38) Carbon Tetrachloride	8.10	117	102266	20.817	ug/l	99

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.36	83	80912	20.136	ug/l	95
40) Benzene	8.36	78	215209	20.409	ug/l	98
41) Methacrylonitrile	7.54	41	12316m	20.153	ug/l	
42) 1,2-Dichloroethane	8.43	62	69457	21.048	ug/l	100
43) Isopropyl Acetate	8.46	43	44905	20.011	ug/l	97
44) Trichloroethene	9.12	130	70029	20.742	ug/l	91
45) 1,2-Dichloropropane	9.39	63	49829	20.390	ug/l	96
46) Dibromomethane	9.48	93	31452	20.656	ug/l	93
47) Bromodichloromethane	9.67	83	86421	21.184	ug/l #	97
48) Methyl methacrylate	9.46	41	20642	18.929	ug/l	95
49) 1,4-Dioxane	9.48	88	6383	415.434	ug/l	92
51) 4-Methyl-2-Pentanone	10.23	43	110232	98.490	ug/l	98
52) Toluene	10.41	92	149996	20.885	ug/l	99
53) t-1,3-Dichloropropene	10.63	75	75129	20.965	ug/l	94
54) cis-1,3-Dichloropropene	10.10	75	82881	19.762	ug/l	95
55) 1,1,2-Trichloroethane	10.81	97	44560	21.461	ug/l	97
56) Ethyl methacrylate	10.67	69	43535	20.217	ug/l	97
57) 1,3-Dichloropropane	10.96	76	70579	21.360	ug/l	97
58) 2-Chloroethyl Vinyl ether	9.94	63	112903	102.205	ug/l	98
59) 2-Hexanone	10.99	43	77408	101.213	ug/l	98
60) Dibromochloromethane	11.15	129	61196	20.210	ug/l	99
61) 1,2-Dibromoethane	11.25	107	41324	20.188	ug/l	99
64) Tetrachloroethene	10.88	164	62415	20.634	ug/l	91
65) Chlorobenzene	11.68	112	168394	21.034	ug/l	98
66) 1,1,1,2-Tetrachloroethane	11.75	131	67387	21.178	ug/l	98
67) Ethyl Benzene	11.75	91	286658	20.888	ug/l	98
68) m/p-Xylenes	11.86	106	225077	42.590	ug/l	99
69) o-Xylene	12.18	106	99936	20.421	ug/l	99
70) Styrene	12.20	104	177864	21.113	ug/l	98
71) Bromoform	12.37	173	35231	20.610	ug/l #	97
73) Isopropylbenzene	12.48	105	286071	21.030	ug/l	100
74) N-amyl acetate	12.29	43	39683	19.315	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.74	83	42748	20.510	ug/l	96
76) 1,2,3-Trichloropropane	12.79	75	28755m	19.357	ug/l	
77) Bromobenzene	12.77	156	72336	21.330	ug/l	99
78) n-propylbenzene	12.83	91	335318	21.276	ug/l	100
79) 2-Chlorotoluene	12.91	91	187661	20.532	ug/l	97
80) 1,3,5-Trimethylbenzene	12.97	105	253205	21.420	ug/l	99
81) trans-1,4-Dichloro-2-buten	12.53	75	13479	20.576	ug/l	97
82) 4-Chlorotoluene	13.01	91	201537	20.775	ug/l	97
83) tert-Butylbenzene	13.23	119	209333	20.964	ug/l	100
84) 1,2,4-Trimethylbenzene	13.27	105	248791	21.294	ug/l	100
85) sec-Butylbenzene	13.41	105	288659	21.068	ug/l	99
86) p-Isopropyltoluene	13.53	119	273271	21.131	ug/l	98
87) 1,3-Dichlorobenzene	13.53	146	140644	21.546	ug/l	98
88) 1,4-Dichlorobenzene	13.60	146	136810	21.154	ug/l	98
89) n-Butylbenzene	13.85	91	240265	21.118	ug/l	99
90) Hexachloroethane	14.11	117	46797	20.737	ug/l	98
91) 1,2-Dichlorobenzene	13.90	146	119668	20.985	ug/l	98
92) 1,2-Dibromo-3-Chloropropan	14.51	75	7388	19.511	ug/l	91

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.17	180	81286	21.142	ug/l	98
94) Hexachlorobutadiene	15.27	225	51065	21.388	ug/l	98
95) Naphthalene	15.41	128	126978	20.116	ug/l	99
96) 1,2,3-Trichlorobenzene	15.60	180	68402	20.594	ug/l	100

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

