

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD110520\
 Data File : VD067535.D
 Acq On : 05 Nov 2020 10:58
 Operator : VA/SY
 Sample : VD1105SBS01
 Misc : 5.00G/5.00ml/MSVOA D/SOIL
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 VD1105SBS01

Manual Integrations
 APPROVED

MMDadoda
 11/6/2020 9:24:29 AM

Quant Time: Nov 06 00:28:43 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	318484	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.87	114	474450	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.65	117	428812	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.58	152	218459	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.34	65	129543	46.52	ug/l	0.00
Spiked Amount	50.000		Recovery	=	93.04%	
35) Dibromofluoromethane	7.92	113	134322	46.99	ug/l	0.00
Spiked Amount	50.000		Recovery	=	93.98%	
50) Toluene-d8	10.34	98	474923	47.28	ug/l	0.00
Spiked Amount	50.000		Recovery	=	94.56%	
62) 4-Bromofluorobenzene	12.64	95	164689	47.49	ug/l	0.00
Spiked Amount	50.000		Recovery	=	94.98%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.99	85	64364	22.461	ug/l	95
3) Chloromethane	2.21	50	42766	21.563	ug/l	96
4) Vinyl Chloride	2.35	62	44937	20.323	ug/l	99
5) Bromomethane	2.76	94	34343	19.163	ug/l	92
6) Chloroethane	2.92	64	27974	20.521	ug/l	95
7) Trichlorofluoromethane	3.27	101	119705	20.908	ug/l	94
8) Diethyl Ether	3.70	74	23720	20.561	ug/l	97
9) 1,1,2-Trichlorotrifluoroet	4.10	101	60351	20.883	ug/l	97
10) Methyl Iodide	4.30	142	56298	18.176	ug/l	98
11) Tert butyl alcohol	5.21	59	17514	136.794	ug/l #	93
12) 1,1-Dichloroethene	4.07	96	56792	21.365	ug/l	85
13) Acrolein	3.92	56	6127	72.301	ug/l	92
14) Allyl chloride	4.72	41	57458	20.196	ug/l	99
15) Acrylonitrile	5.42	53	43247	101.413	ug/l	97
16) Acetone	4.16	43	36609	87.848	ug/l	99
17) Carbon Disulfide	4.41	76	168451	20.680	ug/l	96
18) Methyl Acetate	4.71	43	16175	18.783	ug/l	98
19) Methyl tert-butyl Ether	5.47	73	105944	20.205	ug/l	100
20) Methylene Chloride	4.97	84	63237	21.482	ug/l #	96
21) trans-1,2-Dichloroethene	5.48	96	62800	20.283	ug/l	92
22) Diisopropyl ether	6.37	45	118620	21.396	ug/l	96
23) Vinyl Acetate	6.30	43	298162	102.742	ug/l	97
24) 1,1-Dichloroethane	6.26	63	94679	20.875	ug/l	96
25) 2-Butanone	7.21	43	46177	103.702	ug/l	95
26) 2,2-Dichloropropane	7.21	77	102289	21.369	ug/l	99
27) cis-1,2-Dichloroethene	7.21	96	66022	20.544	ug/l	95
28) Bromochloromethane	7.54	49	33059	20.491	ug/l	100
29) Tetrahydrofuran	7.56	42	29162	109.332	ug/l	97
30) Chloroform	7.71	83	115146	21.280	ug/l	99
31) Cyclohexane	7.98	56	83011	20.552	ug/l #	87
32) 1,1,1-Trichloroethane	7.90	97	118675	21.257	ug/l	98
36) 1,1-Dichloropropene	8.11	75	86436	21.283	ug/l	98
37) Ethyl Acetate	7.30	43	21980	20.847	ug/l	98
38) Carbon Tetrachloride	8.10	117	111306	21.094	ug/l	96

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.36	83	98461	20.599	ug/l	95
40) Benzene	8.35	78	235442	21.402	ug/l	99
41) Methacrylonitrile	7.53	41	12653m	20.076	ug/l	
42) 1,2-Dichloroethane	8.43	62	72874	21.440	ug/l	100
43) Isopropyl Acetate	8.45	43	43123	20.680	ug/l	97
44) Trichloroethene	9.11	130	74555	20.611	ug/l	94
45) 1,2-Dichloropropane	9.38	63	51187	21.521	ug/l	90
46) Dibromomethane	9.48	93	31024	20.515	ug/l	98
47) Bromodichloromethane	9.67	83	85777	20.868	ug/l	89
48) Methyl methacrylate	9.46	41	19581	18.187	ug/l	86
49) 1,4-Dioxane	9.46	88	7021	457.324	ug/l	98
51) 4-Methyl-2-Pentanone	10.23	43	104564	104.851	ug/l	100
52) Toluene	10.41	92	160693	21.809	ug/l	97
53) t-1,3-Dichloropropene	10.63	75	73235	20.803	ug/l	95
54) cis-1,3-Dichloropropene	10.09	75	86509	20.683	ug/l	99
55) 1,1,2-Trichloroethane	10.80	97	41487	20.734	ug/l	97
56) Ethyl methacrylate	10.67	69	42862	20.743	ug/l	95
57) 1,3-Dichloropropane	10.95	76	69492	21.582	ug/l	97
58) 2-Chloroethyl Vinyl ether	9.95	63	98049	101.754	ug/l	100
59) 2-Hexanone	10.98	43	71971	103.216	ug/l	98
60) Dibromochloromethane	11.14	129	62290	21.044	ug/l	100
61) 1,2-Dibromoethane	11.25	107	40468	20.151	ug/l	94
64) Tetrachloroethene	10.88	164	66929	21.075	ug/l	93
65) Chlorobenzene	11.67	112	173311	20.982	ug/l	96
66) 1,1,1,2-Tetrachloroethane	11.75	131	70577	21.679	ug/l	99
67) Ethyl Benzene	11.75	91	295994	20.941	ug/l	98
68) m/p-Xylenes	11.86	106	241872	43.985	ug/l	96
69) o-Xylene	12.18	106	103610	21.103	ug/l	99
70) Styrene	12.20	104	185258	21.655	ug/l	98
71) Bromoform	12.37	173	36475	21.968	ug/l #	98
73) Isopropylbenzene	12.48	105	292217	20.697	ug/l	100
74) N-amyl acetate	12.29	43	36993	19.912	ug/l	96
75) 1,1,2,2-Tetrachloroethane	12.74	83	39929	20.740	ug/l	99
76) 1,2,3-Trichloropropane	12.78	75	24603m	18.669	ug/l	
77) Bromobenzene	12.77	156	69608	20.075	ug/l	95
78) n-propylbenzene	12.83	91	343870	21.293	ug/l	99
79) 2-Chlorotoluene	12.91	91	194395	21.191	ug/l	99
80) 1,3,5-Trimethylbenzene	12.96	105	255610	21.193	ug/l	97
81) trans-1,4-Dichloro-2-buten	12.53	75	12978	19.993	ug/l	98
82) 4-Chlorotoluene	13.01	91	209669	21.311	ug/l	100
83) tert-Butylbenzene	13.23	119	224633	21.976	ug/l	97
84) 1,2,4-Trimethylbenzene	13.27	105	260988	21.739	ug/l	99
85) sec-Butylbenzene	13.40	105	294788	21.363	ug/l	99
86) p-Isopropyltoluene	13.52	119	278120	20.872	ug/l	99
87) 1,3-Dichlorobenzene	13.52	146	142591	21.552	ug/l	98
88) 1,4-Dichlorobenzene	13.60	146	139622	20.841	ug/l	97
89) n-Butylbenzene	13.84	91	243269	21.136	ug/l	99
90) Hexachloroethane	14.11	117	51527	20.534	ug/l	98
91) 1,2-Dichlorobenzene	13.89	146	118569	20.707	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.51	75	7387	21.671	ug/l	98

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.17	180	79554	20.470	ug/l	98
94) Hexachlorobutadiene	15.27	225	53783	20.677	ug/l	98
95) Naphthalene	15.40	128	119967	20.002	ug/l	99
96) 1,2,3-Trichlorobenzene	15.60	180	67913	20.406	ug/l	97

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

