

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD112019\
 Data File : VD064307.D
 Acq On : 20 Nov 2019 12:13
 Operator : VA/SY
 Sample : VD1120SBS01
 Misc : 5.00G/5.00ml/MSVOA D/SOIL
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 VD1120SBS01

Manual Integrations
 APPROVED

MMDadoda
 11/22/2019 12:52:14 AM

Quant Time: Nov 20 13:11:32 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D110819S.M
 Quant Title : SW846 8260
 QLast Update : Tue Nov 12 02:43:24 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.98	168	584549	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.87	114	845669	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.65	117	732877	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.58	152	355583	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.33	65	233116	48.49	ug/l	0.00
Spiked Amount	50.000		Recovery	=	96.98%	
35) Dibromofluoromethane	7.92	113	245782	50.63	ug/l	0.00
Spiked Amount	50.000		Recovery	=	101.26%	
50) Toluene-d8	10.34	98	898108	49.04	ug/l	0.00
Spiked Amount	50.000		Recovery	=	98.08%	
62) 4-Bromofluorobenzene	12.64	95	298190	47.02	ug/l	0.00
Spiked Amount	50.000		Recovery	=	94.04%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.99	85	86852	17.915	ug/l	95
3) Chloromethane	2.21	50	107748	20.720	ug/l	98
4) Vinyl Chloride	2.35	62	129902	23.360	ug/l	93
5) Bromomethane	2.76	94	89954	25.617	ug/l	90
6) Chloroethane	2.92	64	88104	24.795	ug/l	96
7) Trichlorofluoromethane	3.27	101	226453	25.117	ug/l	100
8) Diethyl Ether	3.71	74	49452	19.948	ug/l	99
9) 1,1,2-Trichlorotrifluoroet	4.08	101	102036	19.801	ug/l	98
10) Methyl Iodide	4.30	142	99575	18.271	ug/l	99
11) Tert butyl alcohol	5.24	59	31118	92.672	ug/l #	69
12) 1,1-Dichloroethene	4.06	96	97257	19.801	ug/l	98
13) Acrolein	3.92	56	19381	68.227	ug/l	97
14) Allyl chloride	4.70	41	152198	17.525	ug/l	93
15) Acrylonitrile	5.43	53	111148	105.171	ug/l	99
16) Acetone	4.17	43	96684	84.891	ug/l	93
17) Carbon Disulfide	4.40	76	279284	18.258	ug/l	100
18) Methyl Acetate	4.72	43	65870	20.707	ug/l	100
19) Methyl tert-butyl Ether	5.49	73	232471	19.825	ug/l	96
20) Methylene Chloride	4.97	84	112365	19.531	ug/l	92
21) trans-1,2-Dichloroethene	5.46	96	109837	19.737	ug/l	95
22) Diisopropyl ether	6.37	45	304817	18.917	ug/l	97
23) Vinyl Acetate	6.31	43	878026	97.753	ug/l	97
24) 1,1-Dichloroethane	6.27	63	186467	19.930	ug/l	98
25) 2-Butanone	7.22	43	137805	93.655	ug/l	95
26) 2,2-Dichloropropane	7.21	77	164854	17.967	ug/l	97
27) cis-1,2-Dichloroethene	7.21	96	122985	20.608	ug/l	93
28) Bromochloromethane	7.54	49	51232	15.728	ug/l	96
29) Tetrahydrofuran	7.57	42	90760	102.663	ug/l	97
30) Chloroform	7.71	83	199416	20.837	ug/l	96
31) Cyclohexane	7.98	56	175318	18.580	ug/l	97
32) 1,1,1-Trichloroethane	7.90	97	179507	19.589	ug/l	98
36) 1,1-Dichloropropene	8.11	75	152042	19.481	ug/l	100
37) Ethyl Acetate	7.30	43	61580	18.716	ug/l #	93
38) Carbon Tetrachloride	8.10	117	162467	19.454	ug/l	97

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.36	83	182366	18.466	ug/l	97
40) Benzene	8.36	78	414823	19.447	ug/l	96
41) Methacrylonitrile	7.53	41	36857	17.822	ug/l #	86
42) 1,2-Dichloroethane	8.43	62	123021	19.203	ug/l	97
43) Isopropyl Acetate	8.46	43	127854	18.859	ug/l	98
44) Trichloroethene	9.11	130	126256	19.721	ug/l	98
45) 1,2-Dichloropropane	9.39	63	102901	19.820	ug/l	93
46) Dibromomethane	9.48	93	57906	20.833	ug/l	98
47) Bromodichloromethane	9.67	83	147593	19.714	ug/l	98
48) Methyl methacrylate	9.46	41	58800	17.738	ug/l	91
49) 1,4-Dioxane	9.47	88	13338	399.563	ug/l	92
51) 4-Methyl-2-Pentanone	10.23	43	315683	97.103	ug/l	99
52) Toluene	10.41	92	273146	19.474	ug/l	98
53) t-1,3-Dichloropropene	10.63	75	138057	18.406	ug/l	97
54) cis-1,3-Dichloropropene	10.09	75	168582	19.261	ug/l	98
55) 1,1,2-Trichloroethane	10.81	97	79006	20.953	ug/l	97
56) Ethyl methacrylate	10.67	69	101669	19.275	ug/l	96
57) 1,3-Dichloropropane	10.95	76	134677	20.480	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.94	63	204748	95.830	ug/l	98
59) 2-Hexanone	10.99	43	214429	92.709	ug/l	98
60) Dibromochloromethane	11.14	129	105622	20.075	ug/l	100
61) 1,2-Dibromoethane	11.25	107	76130	20.158	ug/l	96
64) Tetrachloroethene	10.88	164	111304	19.747	ug/l	98
65) Chlorobenzene	11.67	112	295021	19.796	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.75	131	110800	19.553	ug/l	99
67) Ethyl Benzene	11.75	91	525743	19.503	ug/l	99
68) m/p-Xylenes	11.86	106	405120	39.207	ug/l	96
69) o-Xylene	12.18	106	183269	19.124	ug/l	100
70) Styrene	12.20	104	318915	19.065	ug/l	98
71) Bromoform	12.37	173	67166	20.827	ug/l #	100
73) Isopropylbenzene	12.48	105	518083	19.850	ug/l	99
74) N-amyl acetate	12.30	43	113087	18.348	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.74	83	82890	21.077	ug/l	99
76) 1,2,3-Trichloropropane	12.79	75	64966m	22.683	ug/l	
77) Bromobenzene	12.77	156	126402	19.935	ug/l	99
78) n-propylbenzene	12.83	91	586354	19.664	ug/l	99
79) 2-Chlorotoluene	12.91	91	319293	18.966	ug/l	98
80) 1,3,5-Trimethylbenzene	12.97	105	416429	19.417	ug/l	98
81) trans-1,4-Dichloro-2-buten	12.53	75	25594	17.751	ug/l	98
82) 4-Chlorotoluene	13.01	91	339610	19.340	ug/l	99
83) tert-Butylbenzene	13.23	119	359808	19.027	ug/l	98
84) 1,2,4-Trimethylbenzene	13.27	105	409722	19.351	ug/l	99
85) sec-Butylbenzene	13.41	105	484870	19.090	ug/l	98
86) p-Isopropyltoluene	13.53	119	457061	18.929	ug/l	99
87) 1,3-Dichlorobenzene	13.53	146	233828	19.866	ug/l	99
88) 1,4-Dichlorobenzene	13.60	146	235841	20.530	ug/l	99
89) n-Butylbenzene	13.85	91	418631	19.190	ug/l	98
90) Hexachloroethane	14.12	117	85740	19.213	ug/l	98
91) 1,2-Dichlorobenzene	13.90	146	202424	20.319	ug/l	98
92) 1,2-Dibromo-3-Chloropropan	14.51	75	13276	18.881	ug/l	94

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.17	180	149741	19.484	ug/l	98
94) Hexachlorobutadiene	15.28	225	96016	19.343	ug/l	99
95) Naphthalene	15.41	128	255462	20.278	ug/l	99
96) 1,2,3-Trichlorobenzene	15.60	180	129102	19.763	ug/l	99

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

