

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD020119\
 Data File : VD060814.D
 Acq On : 1 Feb 2019 12:49
 Operator : VA/AP
 Sample : VD0201SBS01
 Misc : 5.00g/5ml/MSVOA D/SOIL
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0201SBS01

Manual Integrations
 APPROVED

MMDadoda
 2/4/2019 4:42:48 PM

Quant Time: Feb 02 01:03:03 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D012819S.M
 Quant Title : SW846 8260
 QLast Update : Tue Jan 29 13:53:55 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	6.76	168	463483	50.00	ug/l	-0.03
34) 1,4-Difluorobenzene	7.94	114	673522	50.00	ug/l	-0.03
63) Chlorobenzene-d5	12.14	117	545712	50.00	ug/l	-0.02
72) 1,4-Dichlorobenzene-d4	14.30	152	261244	50.00	ug/l	-0.02

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	7.18	65	408781	57.53	ug/l	-0.04
Spiked Amount	50.000		Recovery	=	115.06%	
35) Dibromofluoromethane	6.65	113	337805	52.30	ug/l	-0.03
Spiked Amount	50.000		Recovery	=	104.60%	
50) Toluene-d8	10.16	98	761424	50.48	ug/l	-0.03
Spiked Amount	50.000		Recovery	=	100.96%	
62) 4-Bromofluorobenzene	13.34	95	370596	48.88	ug/l	-0.02
Spiked Amount	50.000		Recovery	=	97.76%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.58	85	106677	18.931	ug/l	100
3) Chloromethane	1.74	50	68574	20.325	ug/l	98
4) Vinyl Chloride	1.83	62	74044	20.675	ug/l	99
5) Bromomethane	2.12	94	24394	21.563	ug/l	99
6) Chloroethane	2.22	64	23565	16.583	ug/l	90
7) Trichlorofluoromethane	2.46	101	167397	23.745	ug/l	94
8) Diethyl Ether	2.78	74	23374	22.501	ug/l	89
9) 1,1,2-Trichlorotrifluoroet	3.03	101	85626	23.967	ug/l	96
10) Methyl Iodide	3.19	142	75375	20.151	ug/l	97
11) Tert butyl alcohol	3.91	59	27975	82.384	ug/l #	87
12) 1,1-Dichloroethene	3.02	96	56345	23.079	ug/l	96
13) Acrolein	2.93	56	18712	150.268	ug/l #	79
14) Allyl chloride	3.48	41	127835	22.500	ug/l #	94
15) Acrylonitrile	4.02	53	66855	87.869	ug/l	96
16) Acetone	3.10	43	107685	104.927	ug/l	99
17) Carbon Disulfide	3.25	76	191569	22.151	ug/l	100
18) Methyl Acetate	3.49	43	40148	19.734	ug/l	96
19) Methyl tert-butyl Ether	4.05	73	230190	20.652	ug/l	95
20) Methylene Chloride	3.65	84	89968	16.841	ug/l	95
21) trans-1,2-Dichloroethene	4.02	96	83981	19.513	ug/l	94
22) Diisopropyl ether	4.85	45	268722	18.354	ug/l	90
23) Vinyl Acetate	4.79	43	841142	99.765	ug/l	99
24) 1,1-Dichloroethane	4.73	63	199125	20.776	ug/l	97
25) 2-Butanone	5.80	43	123033	93.661	ug/l	93
26) 2,2-Dichloropropane	5.75	77	211552	20.948	ug/l	97
27) cis-1,2-Dichloroethene	5.76	96	91173	18.600	ug/l	94
28) Bromochloromethane	6.16	49	75683	20.242	ug/l	86
29) Tetrahydrofuran	6.18	42	57469	91.103	ug/l	98
30) Chloroform	6.38	83	232049	20.484	ug/l	98
31) Cyclohexane	6.68	56	126900	19.460	ug/l	100
32) 1,1,1-Trichloroethane	6.59	97	242760	22.253	ug/l	93
36) 1,1-Dichloropropene	6.87	75	165000	20.518	ug/l	96
37) Ethyl Acetate	5.91	43	64671	18.015	ug/l	96
38) Carbon Tetrachloride	6.83	117	210430	20.868	ug/l	98

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	8.59	83	127180	18.885	ug/l	95
40) Benzene	7.18	78	300396	18.927	ug/l	99
41) Methacrylonitrile	6.16	41	34517m	15.140	ug/l	
42) 1,2-Dichloroethane	7.31	62	196818	21.346	ug/l	96
43) Isopropyl Acetate	8.98	43	85641	18.291	ug/l	95
44) Trichloroethene	8.27	130	101816	18.923	ug/l	90
45) 1,2-Dichloropropane	8.67	63	74557	17.353	ug/l	99
46) Dibromomethane	8.79	93	65802	19.729	ug/l #	83
47) Bromodichloromethane	9.11	83	180200	20.016	ug/l	96
48) Methyl methacrylate	8.85	41	59992	18.581	ug/l	92
49) 1,4-Dioxane	8.82	88	8717	334.023	ug/l #	81
51) 4-Methyl-2-Pentanone	10.05	43	279938	92.327	ug/l	99
52) Toluene	10.26	92	185732	18.448	ug/l	98
53) t-1,3-Dichloropropene	10.66	75	159476	20.139	ug/l	99
54) cis-1,3-Dichloropropene	9.79	75	155977	19.208	ug/l	94
55) 1,1,2-Trichloroethane	10.95	97	60452	17.611	ug/l	97
56) Ethyl methacrylate	10.79	69	76462	18.388	ug/l	95
57) 1,3-Dichloropropane	11.16	76	104066	17.739	ug/l	97
58) 2-Chloroethyl Vinyl ether	9.60	63	205407	94.148	ug/l	95
59) 2-Hexanone	11.29	43	210375	92.279	ug/l	93
60) Dibromochloromethane	11.45	129	117861	19.099	ug/l	96
61) 1,2-Dibromoethane	11.57	107	74077	18.325	ug/l	96
64) Tetrachloroethene	11.01	164	89573	17.885	ug/l	95
65) Chlorobenzene	12.17	112	237427	19.039	ug/l	99
66) 1,1,1,2-Tetrachloroethane	12.29	131	102802	19.187	ug/l	99
67) Ethyl Benzene	12.30	91	437633	19.516	ug/l	98
68) m/p-Xylenes	12.44	106	278023	38.107	ug/l	95
69) o-Xylene	12.83	106	134875	18.678	ug/l	83
70) Styrene	12.85	104	217366	17.951	ug/l	92
71) Bromoform	13.01	173	73246	18.145	ug/l	92
73) Isopropylbenzene	13.18	105	452597	21.729	ug/l	98
74) N-amyl acetate	13.04	43	117734	18.386	ug/l	99
75) 1,1,2,2-Tetrachloroethane	13.49	83	72161	19.027	ug/l	96
76) 1,2,3-Trichloropropane	13.52	75	93537	19.525	ug/l	99
77) Bromobenzene	13.45	156	111603	20.844	ug/l	88
78) n-propylbenzene	13.56	91	572509	21.895	ug/l	95
79) 2-Chlorotoluene	13.63	91	357789	22.434	ug/l	97
80) 1,3,5-Trimethylbenzene	14.03	105	387920	21.633	ug/l	96
81) trans-1,4-Dichloro-2-buten	13.26	75	20225	16.194	ug/l	96
82) 4-Chlorotoluene	13.73	91	365852	20.640	ug/l	97
83) tert-Butylbenzene	13.98	119	418212	22.292	ug/l	90
84) 1,2,4-Trimethylbenzene	14.03	105	387920	21.633	ug/l	96
85) sec-Butylbenzene	14.16	105	474887	22.237	ug/l	97
86) p-Isopropyltoluene	14.27	119	394486	22.752	ug/l	99
87) 1,3-Dichlorobenzene	14.25	146	207013	21.616	ug/l	97
88) 1,4-Dichlorobenzene	14.32	146	183851	19.758	ug/l	97
89) n-Butylbenzene	14.59	91	368400	20.365	ug/l	97
90) Hexachloroethane	14.80	117	107933	20.919	ug/l	84
91) 1,2-Dichlorobenzene	14.60	146	153389	19.296	ug/l	96
92) 1,2-Dibromo-3-Chloropropan	15.17	75	17280	19.178	ug/l	66

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.74	180	155198	22.548	ug/l	98
94) Hexachlorobutadiene	15.83	225	113736	22.023	ug/l	99
95) Naphthalene	15.92	128	201085	19.014	ug/l	98
96) 1,2,3-Trichlorobenzene	16.07	180	118197	19.748	ug/l	99

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

