

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD052219\
 Data File : VD062502.D
 Acq On : 22 May 2019 15:00
 Operator : VA/AP
 Sample : VD0522SBS01
 Misc : 5.00g/5ml/MSVOA D/SOIL
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0522SBS01

Manual Integrations
 APPROVED

MMDadoda
 5/23/2019 11:21:07 AM

Quant Time: May 23 03:40:31 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D052019S.M
 Quant Title : SW846 8260
 QLast Update : Tue May 21 03:32:39 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.02	168	588167	50.00	ug/l	-0.04
34) 1,4-Difluorobenzene	8.19	114	810770	50.00	ug/l	-0.04
63) Chlorobenzene-d5	12.35	117	678019	50.00	ug/l	-0.02
72) 1,4-Dichlorobenzene-d4	14.51	152	365703	50.00	ug/l	-0.02
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	7.42	65	308921	49.07	ug/l	-0.04
Spiked Amount 50.000			Recovery	=	98.14%	
35) Dibromofluoromethane	6.90	113	374648	51.22	ug/l	-0.04
Spiked Amount 50.000			Recovery	=	102.44%	
50) Toluene-d8	10.39	98	813437	50.82	ug/l	-0.04
Spiked Amount 50.000			Recovery	=	101.64%	
62) 4-Bromofluorobenzene	13.55	95	353746	50.52	ug/l	-0.02
Spiked Amount 50.000			Recovery	=	101.04%	
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.56	85	149969	24.653	ug/l	98
3) Chloromethane	1.74	50	101688	24.957	ug/l	97
4) Vinyl Chloride	1.84	62	110953	25.878	ug/l	99
5) Bromomethane	2.13	94	37602	20.324	ug/l	95
6) Chloroethane	2.24	64	51209	24.689	ug/l	100
7) Trichlorofluoromethane	2.50	101	194074	19.590	ug/l	99
8) Diethyl Ether	2.85	74	30361	22.719	ug/l	81
9) 1,1,2-Trichlorotrifluoroet	3.12	101	116562	19.777	ug/l	93
10) Methyl Iodide	3.28	142	213058	25.926	ug/l	89
11) Tert butyl alcohol	4.07	59	35357	121.665	ug/l	100
12) 1,1-Dichloroethene	3.10	96	89931	20.646	ug/l	85
13) Acrolein	3.02	56	24068m	99.728	ug/l	
14) Allyl chloride	3.60	41	143507	22.344	ug/l #	82
15) Acrylonitrile	4.17	53	76051	114.205	ug/l #	90
16) Acetone	3.20	43	124256	110.134	ug/l #	82
17) Carbon Disulfide	3.35	76	304658	23.095	ug/l	100
18) Methyl Acetate	3.62	43	41564	21.350	ug/l #	89
19) Methyl tert-butyl Ether	4.22	73	221742	22.041	ug/l #	82
20) Methylene Chloride	3.79	84	110667	19.128	ug/l	95
21) trans-1,2-Dichloroethene	4.19	96	105881	20.764	ug/l	86
22) Diisopropyl ether	5.09	45	321613	23.526	ug/l	94
23) Vinyl Acetate	5.02	43	940775	113.889	ug/l	97
24) 1,1-Dichloroethane	4.94	63	194757	22.121	ug/l	99
25) 2-Butanone	6.05	43	131842	111.729	ug/l	98
26) 2,2-Dichloropropane	6.00	77	199371	21.007	ug/l	98
27) cis-1,2-Dichloroethene	6.01	96	114015	20.736	ug/l	91
28) Bromochloromethane	6.41	49	64336	20.360	ug/l	99
29) Tetrahydrofuran	6.44	42	64866	115.101	ug/l	98
30) Chloroform	6.64	83	239652	21.351	ug/l	98
31) Cyclohexane	6.93	56	172178	28.964	ug/l #	87
32) 1,1,1-Trichloroethane	6.84	97	227770	20.099	ug/l	91
36) 1,1-Dichloropropene	7.12	75	164458	21.216	ug/l	98
37) Ethyl Acetate	6.16	43	62110	20.626	ug/l #	92
38) Carbon Tetrachloride	7.09	117	239735	20.810	ug/l	93

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	8.84	83	179026	28.001	ug/l	97
40) Benzene	7.43	78	319356	21.004	ug/l	97
41) Methacrylonitrile	6.42	41	84631	22.377	ug/l #	82
42) 1,2-Dichloroethane	7.55	62	172800	21.462	ug/l	92
43) Isopropyl Acetate	9.23	43	87156	21.817	ug/l	97
44) Trichloroethene	8.52	130	137752	22.627	ug/l	97
45) 1,2-Dichloropropane	8.92	63	79282	21.397	ug/l	94
46) Dibromomethane	9.04	93	65113	19.386	ug/l	97
47) Bromodichloromethane	9.35	83	187501	21.944	ug/l	95
48) Methyl methacrylate	9.10	41	61233	22.777	ug/l #	81
49) 1,4-Dioxane	9.06	88	10368	429.967	ug/l #	75
51) 4-Methyl-2-Pentanone	10.28	43	298044	112.935	ug/l	92
52) Toluene	10.49	92	198228	19.044	ug/l	98
53) t-1,3-Dichloropropene	10.90	75	144095	20.256	ug/l	98
54) cis-1,3-Dichloropropene	10.02	75	172306	23.213	ug/l #	85
55) 1,1,2-Trichloroethane	11.17	97	80154	22.721	ug/l	94
56) Ethyl methacrylate	11.03	69	97968	25.977	ug/l #	82
57) 1,3-Dichloropropane	11.39	76	113731	21.022	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.84	63	208473	107.653	ug/l	98
59) 2-Hexanone	11.52	43	239256	124.740	ug/l	98
60) Dibromochloromethane	11.67	129	139882	20.644	ug/l	98
61) 1,2-Dibromoethane	11.79	107	92408	21.255	ug/l	100
64) Tetrachloroethene	11.23	164	116853	20.583	ug/l	96
65) Chlorobenzene	12.38	112	281025	21.553	ug/l	98
66) 1,1,1,2-Tetrachloroethane	12.50	131	125356	20.828	ug/l	93
67) Ethyl Benzene	12.51	91	1032643	45.981	ug/l	97
68) m/p-Xylenes	12.66	106	688037	85.347	ug/l	89
69) o-Xylene	13.03	106	164080	21.571	ug/l	79
70) Styrene	13.06	104	279887	21.630	ug/l	95
71) Bromoform	13.22	173	74795	18.713	ug/l #	98
73) Isopropylbenzene	13.39	105	641110	27.812	ug/l	96
74) N-amyl acetate	13.25	43	123550	21.701	ug/l	95
75) 1,1,2,2-Tetrachloroethane	13.68	83	85867	20.648	ug/l	96
76) 1,2,3-Trichloropropane	13.72	75	85519	19.853	ug/l	98
77) Bromobenzene	13.65	156	141107	21.579	ug/l	85
78) n-propylbenzene	13.76	91	700557	26.237	ug/l	98
79) 2-Chlorotoluene	13.83	91	359648	22.195	ug/l	94
80) 1,3,5-Trimethylbenzene	13.92	105	523194	26.213	ug/l	95
81) trans-1,4-Dichloro-2-buten	13.47	75	26722	21.996	ug/l #	79
82) 4-Chlorotoluene	13.94	91	402640	21.576	ug/l	92
83) tert-Butylbenzene	14.18	119	424090	19.155	ug/l	92
84) 1,2,4-Trimethylbenzene	14.22	105	972850	47.568	ug/l	92
85) sec-Butylbenzene	14.35	105	519397	22.499	ug/l	97
86) p-Isopropyltoluene	14.48	119	482523	23.065	ug/l	93
87) 1,3-Dichlorobenzene	14.44	146	243711	21.104	ug/l	99
88) 1,4-Dichlorobenzene	14.53	146	250568	22.486	ug/l	96
89) n-Butylbenzene	14.79	91	387418	19.189	ug/l	94
90) Hexachloroethane	15.00	117	108555	18.776	ug/l	71
91) 1,2-Dichlorobenzene	14.80	146	192618	19.616	ug/l	98
92) 1,2-Dibromo-3-Chloropropan	15.37	75	13499	17.101	ug/l	61

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Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.94	180	123158	15.929	ug/l	96
94) Hexachlorobutadiene	16.03	225	88610	15.521	ug/l	95
95) Naphthalene	16.11	128	267981	25.366	ug/l	99
96) 1,2,3-Trichlorobenzene	16.26	180	98933	15.608	ug/l	99

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

