

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD050819\
 Data File : VD062166.D
 Acq On : 8 May 2019 11:35
 Operator : FY/SY
 Sample : VD0508SBS01
 Misc : 5.00g/5mL/MSVOA D/SOIL
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0508SBS01

Quant Time: May 09 01:22:36 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D050719S.M
 Quant Title : SW846 8260
 QLast Update : Tue May 07 14:26:29 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.01	168	789374	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.19	114	1096709	50.00	ug/l	0.00
63) Chlorobenzene-d5	12.35	117	1002201	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	14.51	152	500504	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	7.42	65	383279	52.25	ug/l	0.00
Spiked Amount			Recovery	=	104.50%	
35) Dibromofluoromethane	6.89	113	478452	52.58	ug/l	0.00
Spiked Amount			Recovery	=	105.16%	
50) Toluene-d8	10.39	98	1131101	51.56	ug/l	0.00
Spiked Amount			Recovery	=	103.12%	
62) 4-Bromofluorobenzene	13.54	95	501678	56.94	ug/l	0.00
Spiked Amount			Recovery	=	113.88%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	1.56	85	163280	21.627	ug/l	97
3) Chloromethane	1.74	50	107240	19.658	ug/l	98
4) Vinyl Chloride	1.84	62	100858	18.812	ug/l	97
5) Bromomethane	2.12	94	28187	22.438	ug/l	98
6) Chloroethane	2.23	64	42585	18.930	ug/l	94
7) Trichlorofluoromethane	2.50	101	183883	17.642	ug/l	98
8) Diethyl Ether	2.85	74	38800	19.302	ug/l	88
9) 1,1,2-Trichlorotrifluoroet	3.11	101	152681	19.364	ug/l	97
10) Methyl Iodide	3.28	142	178983	15.019	ug/l	92
11) Tert butyl alcohol	4.04	59	37410	99.906	ug/l	96
12) 1,1-Dichloroethene	3.09	96	110474	18.355	ug/l	89
13) Acrolein	3.01	56	33349	86.107	ug/l	92
14) Allyl chloride	3.59	41	169417	19.359	ug/l #	83
15) Acrylonitrile	4.16	53	88948	90.374	ug/l #	87
16) Acetone	3.19	43	154055	100.141	ug/l #	87
17) Carbon Disulfide	3.34	76	301128	17.392	ug/l	99
18) Methyl Acetate	3.61	43	47915	17.216	ug/l	98
19) Methyl tert-butyl Ether	4.20	73	237213	18.387	ug/l	98
20) Methylene Chloride	3.78	84	152357	23.719	ug/l	98
21) trans-1,2-Dichloroethene	4.19	96	118189	17.646	ug/l	94
22) Diisopropyl ether	5.07	45	376285	20.206	ug/l	94
23) Vinyl Acetate	5.01	43	979939	99.734	ug/l	96
24) 1,1-Dichloroethane	4.95	63	216904	19.307	ug/l	98
25) 2-Butanone	6.03	43	168115	100.187	ug/l	95
26) 2,2-Dichloropropane	5.99	77	228223	20.394	ug/l	93
27) cis-1,2-Dichloroethene	6.00	96	146301	19.515	ug/l	96
28) Bromochloromethane	6.40	49	89291	20.202	ug/l	92
29) Tetrahydrofuran	6.42	42	74790	96.733	ug/l	92
30) Chloroform	6.63	83	283026	20.904	ug/l	99
31) Cyclohexane	6.92	56	155655	20.224	ug/l	99
32) 1,1,1-Trichloroethane	6.83	97	256475	20.041	ug/l	97
36) 1,1-Dichloropropene	7.11	75	188177	20.927	ug/l	98
37) Ethyl Acetate	6.15	43	75954	19.918	ug/l	93
38) Carbon Tetrachloride	7.08	117	266244	21.392	ug/l	98

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	8.83	83	167699	19.465	ug/l	98
40) Benzene	7.42	78	400733	19.736	ug/l	99
41) Methacrylonitrile	6.41	41	90373	19.393	ug/l #	81
42) 1,2-Dichloroethane	7.54	62	173306	20.145	ug/l	93
43) Isopropyl Acetate	9.21	43	100983	18.672	ug/l	98
44) Trichloroethene	8.51	130	154794	20.006	ug/l	82
45) 1,2-Dichloropropane	8.91	63	102139	20.337	ug/l	100
46) Dibromomethane	9.03	93	84516	20.693	ug/l	96
47) Bromodichloromethane	9.34	83	207619	20.783	ug/l	96
48) Methyl methacrylate	9.09	41	67377	20.226	ug/l	87
49) 1,4-Dioxane	9.05	88	14218	395.576	ug/l	93
51) 4-Methyl-2-Pentanone	10.28	43	336323	96.743	ug/l	96
52) Toluene	10.49	92	284420	21.529	ug/l	98
53) t-1,3-Dichloropropene	10.89	75	185482	21.482	ug/l	98
54) cis-1,3-Dichloropropene	10.01	75	187655	19.922	ug/l	90
55) 1,1,2-Trichloroethane	11.16	97	99841	21.359	ug/l	97
56) Ethyl methacrylate	11.02	69	93554	19.260	ug/l #	88
57) 1,3-Dichloropropane	11.38	76	144040	20.397	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.83	63	280081	105.559	ug/l	97
59) 2-Hexanone	11.51	43	263856	102.977	ug/l	93
60) Dibromochloromethane	11.67	129	158686	19.643	ug/l	99
61) 1,2-Dibromoethane	11.78	107	112381	19.775	ug/l	97
64) Tetrachloroethene	11.23	164	143786	18.348	ug/l	95
65) Chlorobenzene	12.38	112	340049	18.217	ug/l	100
66) 1,1,1,2-Tetrachloroethane	12.49	131	148278	18.252	ug/l	97
67) Ethyl Benzene	12.50	91	610437	19.534	ug/l	95
68) m/p-Xylenes	12.65	106	460556	40.508	ug/l	91
69) o-Xylene	13.03	106	214725	20.314	ug/l	91
70) Styrene	13.05	104	387438	21.637	ug/l	98
71) Bromoform	13.22	173	106136	18.778	ug/l #	93
73) Isopropylbenzene	13.39	105	703207	23.439	ug/l	96
74) N-amyl acetate	13.25	43	156659	19.916	ug/l	98
75) 1,1,2,2-Tetrachloroethane	13.68	83	109629	19.302	ug/l	99
76) 1,2,3-Trichloropropane	13.72	75	125789	21.148	ug/l	99
77) Bromobenzene	13.65	156	177801	21.170	ug/l	90
78) n-propylbenzene	13.76	91	848858	23.719	ug/l	96
79) 2-Chlorotoluene	13.83	91	479553	23.396	ug/l	97
80) 1,3,5-Trimethylbenzene	13.92	105	567349	22.457	ug/l	93
81) trans-1,4-Dichloro-2-buten	13.46	75	31159	18.556	ug/l #	80
82) 4-Chlorotoluene	13.93	91	548890	22.757	ug/l	81
83) tert-Butylbenzene	14.18	119	597723	21.049	ug/l	96
84) 1,2,4-Trimethylbenzene	14.22	105	575998	22.720	ug/l	94
85) sec-Butylbenzene	14.35	105	622916	20.008	ug/l	96
86) p-Isopropyltoluene	14.48	119	556367	20.001	ug/l	94
87) 1,3-Dichlorobenzene	14.44	146	308725	20.123	ug/l	98
88) 1,4-Dichlorobenzene	14.52	146	316471	20.993	ug/l	97
89) n-Butylbenzene	14.79	91	605283	24.243	ug/l	95
90) Hexachloroethane	14.99	117	153606	20.306	ug/l	98
91) 1,2-Dichlorobenzene	14.80	146	282931	22.392	ug/l	98
92) 1,2-Dibromo-3-Chloropropan	15.37	75	20005	21.457	ug/l	61

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.94	180	194464	21.145	ug/l	95
94) Hexachlorobutadiene	16.03	225	144477	21.122	ug/l	98
95) Naphthalene	16.11	128	256119	19.947	ug/l	98
96) 1,2,3-Trichlorobenzene	16.26	180	133181	23.032	ug/l	95

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

