

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD051619\
 Data File : VD062415.D
 Acq On : 16 May 2019 14:08
 Operator : FY/SY
 Sample : VD0516SBS01
 Misc : 5.09g/5mL/MSVOA D/SOIL
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0516SBS01

Quant Time: May 17 02:28:25 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	7.05	168	633628	50.00	ug/l	0.03
34) 1,4-Difluorobenzene	8.22	114	891337	50.00	ug/l	0.03
63) Chlorobenzene-d5	12.36	117	731602	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	14.52	152	395823	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	7.45	65	302244	51.33	ug/l	0.03
Spiked Amount			Recovery	=	102.66%	
35) Dibromofluoromethane	6.92	113	370637	50.12	ug/l	0.03
Spiked Amount			Recovery	=	100.24%	
50) Toluene-d8	10.42	98	827546	46.41	ug/l	0.02
Spiked Amount			Recovery	=	92.82%	
62) 4-Bromofluorobenzene	13.56	95	346902	48.45	ug/l	0.00
Spiked Amount			Recovery	=	96.90%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	1.57	85	104045	17.169	ug/l	99
3) Chloromethane	1.75	50	71577	16.346	ug/l	97
4) Vinyl Chloride	1.84	62	77781	18.074	ug/l	97
5) Bromomethane	2.14	94	25074	24.866	ug/l #	91
6) Chloroethane	2.25	64	36915	20.442	ug/l #	88
7) Trichlorofluoromethane	2.52	101	185394	22.159	ug/l	99
8) Diethyl Ether	2.87	74	28437	17.624	ug/l	80
9) 1,1,2-Trichlorotrifluoroet	3.14	101	127928	20.213	ug/l	94
10) Methyl Iodide	3.30	142	132356	13.837	ug/l #	77
11) Tert butyl alcohol	4.08	59	30065	100.027	ug/l	97
12) 1,1-Dichloroethene	3.12	96	84951	17.583	ug/l	88
13) Acrolein	3.04	56	20215	65.025	ug/l #	78
14) Allyl chloride	3.62	41	130390	18.562	ug/l #	84
15) Acrylonitrile	4.20	53	74944	94.862	ug/l #	91
16) Acetone	3.22	43	145483	117.814	ug/l #	85
17) Carbon Disulfide	3.37	76	196471	14.136	ug/l	98
18) Methyl Acetate	3.64	43	40910	18.331	ug/l	94
19) Methyl tert-butyl Ether	4.24	73	212013	20.473	ug/l	92
20) Methylene Chloride	3.81	84	94770	18.381	ug/l	95
21) trans-1,2-Dichloroethene	4.22	96	97410	18.119	ug/l	87
22) Diisopropyl ether	5.12	45	288661	19.310	ug/l	95
23) Vinyl Acetate	5.05	43	860538	109.109	ug/l	98
24) 1,1-Dichloroethane	4.98	63	170273	18.882	ug/l	100
25) 2-Butanone	6.08	43	137657	102.200	ug/l	97
26) 2,2-Dichloropropane	6.03	77	192792	21.462	ug/l	95
27) cis-1,2-Dichloroethene	6.04	96	106541	17.705	ug/l	92
28) Bromochloromethane	6.44	49	83244	23.463	ug/l	84
29) Tetrahydrofuran	6.45	42	61705	99.426	ug/l	95
30) Chloroform	6.67	83	230316	21.192	ug/l	99
31) Cyclohexane	6.95	56	112393	18.192	ug/l	94
32) 1,1,1-Trichloroethane	6.87	97	224628	21.867	ug/l	98
36) 1,1-Dichloropropene	7.15	75	157301	21.524	ug/l	97
37) Ethyl Acetate	6.18	43	69200	22.328	ug/l #	87
38) Carbon Tetrachloride	7.11	117	224946	22.239	ug/l	97

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	8.87	83	130963	18.703	ug/l	97
40) Benzene	7.45	78	313280	18.984	ug/l	99
41) Methacrylonitrile	6.46	41	81005	21.388	ug/l #	77
42) 1,2-Dichloroethane	7.57	62	158853	22.720	ug/l	91
43) Isopropyl Acetate	9.24	43	89900	20.453	ug/l	96
44) Trichloroethene	8.55	130	123488	19.637	ug/l	94
45) 1,2-Dichloropropane	8.94	63	81042	19.854	ug/l	94
46) Dibromomethane	9.07	93	70032	21.098	ug/l	91
47) Bromodichloromethane	9.37	83	177234	21.829	ug/l	97
48) Methyl methacrylate	9.13	41	58899	21.755	ug/l	85
49) 1,4-Dioxane	9.08	88	11172	382.448	ug/l	97
51) 4-Methyl-2-Pentanone	10.31	43	303205	107.312	ug/l	94
52) Toluene	10.51	92	217234	20.232	ug/l	100
53) t-1,3-Dichloropropene	10.92	75	151243	21.553	ug/l	94
54) cis-1,3-Dichloropropene	10.04	75	152933	19.977	ug/l #	90
55) 1,1,2-Trichloroethane	11.19	97	78111	20.560	ug/l	95
56) Ethyl methacrylate	11.05	69	80897	20.492	ug/l #	91
57) 1,3-Dichloropropane	11.41	76	116630	20.321	ug/l	97
58) 2-Chloroethyl Vinyl ether	9.86	63	229574	106.460	ug/l	99
59) 2-Hexanone	11.54	43	233157	111.962	ug/l	90
60) Dibromochloromethane	11.69	129	136252	20.752	ug/l	99
61) 1,2-Dibromoethane	11.80	107	93220	20.183	ug/l	94
64) Tetrachloroethene	11.26	164	111031	19.408	ug/l	96
65) Chlorobenzene	12.40	112	278537	20.441	ug/l	98
66) 1,1,1,2-Tetrachloroethane	12.51	131	128716	21.705	ug/l	94
67) Ethyl Benzene	12.52	91	504898	22.133	ug/l	94
68) m/p-Xylenes	12.67	106	327940	39.512	ug/l	86
69) o-Xylene	13.05	106	160405	20.788	ug/l	90
70) Styrene	13.07	104	277024	21.193	ug/l	95
71) Bromoform	13.24	173	87458	21.197	ug/l #	98
73) Isopropylbenzene	13.41	105	474806	20.011	ug/l	96
74) N-amyl acetate	13.27	43	121551	19.540	ug/l	96
75) 1,1,2,2-Tetrachloroethane	13.70	83	89574	19.942	ug/l	98
76) 1,2,3-Trichloropropane	13.73	75	96889	20.597	ug/l	98
77) Bromobenzene	13.67	156	140388	21.136	ug/l	97
78) n-propylbenzene	13.77	91	578485	20.439	ug/l	92
79) 2-Chlorotoluene	13.84	91	344755	21.268	ug/l	89
80) 1,3,5-Trimethylbenzene	13.94	105	420522	21.047	ug/l	93
81) trans-1,4-Dichloro-2-buten	13.48	75	22109	16.649	ug/l #	66
82) 4-Chlorotoluene	13.95	91	410463	21.518	ug/l	86
83) tert-Butylbenzene	14.19	119	439706	19.580	ug/l	97
84) 1,2,4-Trimethylbenzene	14.24	105	409714	20.435	ug/l	91
85) sec-Butylbenzene	14.37	105	509292	20.684	ug/l	98
86) p-Isopropyltoluene	14.49	119	431360	19.609	ug/l	88
87) 1,3-Dichlorobenzene	14.46	146	246069	20.280	ug/l	98
88) 1,4-Dichlorobenzene	14.54	146	247077	20.725	ug/l	94
89) n-Butylbenzene	14.80	91	417392	21.139	ug/l	93
90) Hexachloroethane	15.01	117	125134	20.917	ug/l	80
91) 1,2-Dichlorobenzene	14.81	146	203974	20.413	ug/l	98
92) 1,2-Dibromo-3-Chloropropan	15.39	75	15937	21.614	ug/l	82

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93) 1,2,4-Trichlorobenzene	15.95	180	172624	23.734	ug/l	99
94) Hexachlorobutadiene	16.04	225	122996	22.737	ug/l	98
95) Naphthalene	16.12	128	239638	23.600	ug/l	99
96) 1,2,3-Trichlorobenzene	16.27	180	127233	27.823	ug/l	98

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

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