

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD052819\
 Data File : VD062538.D
 Acq On : 28 May 2019 14:59
 Operator : VA/AP
 Sample : VD0528SBS01
 Misc : 5.00g/5ml/MSVOA D/SOIL
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0528SBS01

Quant Time: May 29 01:00:24 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	7.06	168	374519	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.23	114	500311	50.00	ug/l	0.00
63) Chlorobenzene-d5	12.37	117	437645	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	14.53	152	240466	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	7.46	65	242597	60.51	ug/l	0.00
Spiked Amount			Recovery	=	121.02%	
35) Dibromofluoromethane	6.94	113	235001	52.07	ug/l	0.00
Spiked Amount			Recovery	=	104.14%	
50) Toluene-d8	10.42	98	509829	51.62	ug/l	0.00
Spiked Amount			Recovery	=	103.24%	
62) 4-Bromofluorobenzene	13.56	95	224427	51.94	ug/l	0.00
Spiked Amount			Recovery	=	103.88%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	1.57	85	93218	23.929	ug/l	94
3) Chloromethane	1.74	50	60013	23.131	ug/l #	86
4) Vinyl Chloride	1.85	62	65023	23.816	ug/l	97
5) Bromomethane	2.15	94	39593	33.608	ug/l	98
6) Chloroethane	2.25	64	35333	26.753	ug/l	95
7) Trichlorofluoromethane	2.52	101	165712	26.270	ug/l	94
8) Diethyl Ether	2.87	74	20069	23.584	ug/l	80
9) 1,1,2-Trichlorotrifluoroet	3.14	101	84946	22.635	ug/l #	85
10) Methyl Iodide	3.31	142	109453	20.917	ug/l #	73
11) Tert butyl alcohol	4.09	59	21719	117.369	ug/l #	94
12) 1,1-Dichloroethene	3.12	96	63367	22.847	ug/l #	74
13) Acrolein	3.04	56	17499	113.872	ug/l #	73
14) Allyl chloride	3.62	41	83693	20.465	ug/l #	65
15) Acrylonitrile	4.20	53	40494	95.499	ug/l #	74
16) Acetone	3.23	43	75432	105.000	ug/l #	72
17) Carbon Disulfide	3.38	76	174778	20.807	ug/l	97
18) Methyl Acetate	3.65	43	25635	20.679	ug/l	97
19) Methyl tert-butyl Ether	4.25	73	140048	21.861	ug/l	94
20) Methylene Chloride	3.82	84	62249	16.063	ug/l #	77
21) trans-1,2-Dichloroethene	4.22	96	61724	19.010	ug/l	92
22) Diisopropyl ether	5.13	45	172971	19.871	ug/l	89
23) Vinyl Acetate	5.07	43	546393	103.879	ug/l	97
24) 1,1-Dichloroethane	4.99	63	114757	20.470	ug/l #	94
25) 2-Butanone	6.08	43	75155	100.023	ug/l	98
26) 2,2-Dichloropropane	6.03	77	140203	23.200	ug/l	92
27) cis-1,2-Dichloroethene	6.04	96	71336	20.375	ug/l	88
28) Bromochloromethane	6.45	49	38221	18.996	ug/l	82
29) Tetrahydrofuran	6.48	42	35675	99.415	ug/l	96
30) Chloroform	6.67	83	151477	21.194	ug/l	95
31) Cyclohexane	6.97	56	74909	19.790	ug/l	94
32) 1,1,1-Trichloroethane	6.88	97	163326	22.634	ug/l	95
36) 1,1-Dichloropropene	7.15	75	104858	21.922	ug/l	90
37) Ethyl Acetate	6.20	43	39992	21.522	ug/l #	93
38) Carbon Tetrachloride	7.13	117	172982	24.333	ug/l	93

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	8.88	83	82513	20.914	ug/l	91
40) Benzene	7.46	78	186147	19.840	ug/l	100
41) Methacrylonitrile	6.46	41	47274	20.256	ug/l #	78
42) 1,2-Dichloroethane	7.59	62	112423	22.628	ug/l	88
43) Isopropyl Acetate	9.25	43	46654	18.925	ug/l	90
44) Trichloroethene	8.55	130	78870	20.995	ug/l	92
45) 1,2-Dichloropropane	8.95	63	43610	19.073	ug/l #	88
46) Dibromomethane	9.07	93	47215	22.780	ug/l	95
47) Bromodichloromethane	9.39	83	116441	22.084	ug/l	97
48) Methyl methacrylate	9.13	41	32736	19.733	ug/l #	74
49) 1,4-Dioxane	9.09	88	5772	387.904	ug/l #	84
51) 4-Methyl-2-Pentanone	10.31	43	173362	106.453	ug/l	88
52) Toluene	10.52	92	128529	20.010	ug/l	99
53) t-1,3-Dichloropropene	10.92	75	94916	21.623	ug/l	99
54) cis-1,3-Dichloropropene	10.05	75	97815	21.355	ug/l #	67
55) 1,1,2-Trichloroethane	11.20	97	45711	20.998	ug/l	97
56) Ethyl methacrylate	11.05	69	46236	19.868	ug/l #	73
57) 1,3-Dichloropropane	11.42	76	69406	20.789	ug/l	97
58) 2-Chloroethyl Vinyl ether	9.87	63	133427	111.655	ug/l	100
59) 2-Hexanone	11.54	43	126045	106.495	ug/l	89
60) Dibromochloromethane	11.69	129	94339	22.563	ug/l	98
61) 1,2-Dibromoethane	11.82	107	56335	20.999	ug/l	96
64) Tetrachloroethene	11.27	164	74063	20.211	ug/l	97
65) Chlorobenzene	12.41	112	163710	19.452	ug/l	98
66) 1,1,1,2-Tetrachloroethane	12.52	131	85511	22.011	ug/l	91
67) Ethyl Benzene	12.53	91	301854	20.823	ug/l	94
68) m/p-Xylenes	12.68	106	203697	39.146	ug/l	88
69) o-Xylene	13.06	106	95612	19.474	ug/l	82
70) Styrene	13.08	104	169625	20.309	ug/l #	91
71) Bromoform	13.25	173	57892	22.439	ug/l #	90
73) Isopropylbenzene	13.41	105	298081	19.666	ug/l	95
74) N-amyl acetate	13.28	43	69424	18.545	ug/l	96
75) 1,1,2,2-Tetrachloroethane	13.71	83	51666	18.894	ug/l	96
76) 1,2,3-Trichloropropane	13.74	75	61876	21.846	ug/l	97
77) Bromobenzene	13.68	156	84369	19.622	ug/l	96
78) n-propylbenzene	13.78	91	363521	20.705	ug/l	96
79) 2-Chlorotoluene	13.85	91	206988	19.427	ug/l	91
80) 1,3,5-Trimethylbenzene	13.94	105	263755	20.097	ug/l	89
81) trans-1,4-Dichloro-2-buten	13.48	75	15301	19.155	ug/l #	59
82) 4-Chlorotoluene	13.95	91	251536	20.499	ug/l	88
83) tert-Butylbenzene	14.19	119	296059	20.337	ug/l	86
84) 1,2,4-Trimethylbenzene	14.24	105	275596	20.494	ug/l	89
85) sec-Butylbenzene	14.38	105	307531	20.260	ug/l	100
86) p-Isopropyltoluene	14.50	119	308279	22.410	ug/l	91
87) 1,3-Dichlorobenzene	14.47	146	159628	21.022	ug/l	95
88) 1,4-Dichlorobenzene	14.55	146	150405	20.527	ug/l	99
89) n-Butylbenzene	14.80	91	257267	19.379	ug/l	92
90) Hexachloroethane	15.02	117	77643	20.423	ug/l	78
91) 1,2-Dichlorobenzene	14.81	146	131395	20.350	ug/l	98
92) 1,2-Dibromo-3-Chloropropan	15.38	75	11707	22.555	ug/l	56

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.95	180	99031	19.479	ug/l	92
94) Hexachlorobutadiene	16.04	225	74371	19.812	ug/l	99
95) Naphthalene	16.13	128	136274	19.617	ug/l	98
96) 1,2,3-Trichlorobenzene	16.28	180	77154	18.512	ug/l	96

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

