

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD052819\
 Data File : VD062540.D
 Acq On : 28 May 2019 15:53
 Operator : VA/AP
 Sample : VD0528SBS01
 Misc : 5.00g/5ml/MSVOA D/SOIL
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0528SBS01

Quant Time: May 29 01:00:49 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	7.05	168	380700	50.00	ug/l	-0.01
34) 1,4-Difluorobenzene	8.23	114	480133	50.00	ug/l	0.00
63) Chlorobenzene-d5	12.38	117	438875	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	14.53	152	242301	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	208331	51.12	ug/l	0.00
Spiked Amount			Recovery	=	102.24%	
35) Dibromofluoromethane	6.93	113	209882	48.46	ug/l	-0.01
Spiked Amount			Recovery	=	96.92%	
50) Toluene-d8	10.42	98	424829	44.82	ug/l	0.00
Spiked Amount			Recovery	=	89.64%	
62) 4-Bromofluorobenzene	13.56	95	208848	50.37	ug/l	0.00
Spiked Amount			Recovery	=	100.74%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	1.57	85	95263	24.088	ug/l	100
3) Chloromethane	1.74	50	59477	22.552	ug/l #	88
4) Vinyl Chloride	1.85	62	66150	23.836	ug/l	98
5) Bromomethane	2.15	94	39570	33.043	ug/l	99
6) Chloroethane	2.24	64	36568	27.239	ug/l	97
7) Trichlorofluoromethane	2.52	101	169819	26.484	ug/l	97
8) Diethyl Ether	2.87	74	18827	21.766	ug/l	99
9) 1,1,2-Trichlorotrifluoroet	3.14	101	84549	22.163	ug/l	97
10) Methyl Iodide	3.30	142	117508	22.091	ug/l #	80
11) Tert butyl alcohol	4.09	59	23485	124.852	ug/l #	94
12) 1,1-Dichloroethene	3.12	96	61799	21.920	ug/l #	71
13) Acrolein	3.04	56	15619	99.988	ug/l	91
14) Allyl chloride	3.62	41	86738	20.865	ug/l #	66
15) Acrylonitrile	4.20	53	39586	91.841	ug/l #	82
16) Acetone	3.23	43	78574	107.597	ug/l #	82
17) Carbon Disulfide	3.37	76	176253	20.642	ug/l	98
18) Methyl Acetate	3.65	43	27174	21.565	ug/l #	83
19) Methyl tert-butyl Ether	4.24	73	142585	21.896	ug/l	94
20) Methylene Chloride	3.82	84	61654	15.468	ug/l	94
21) trans-1,2-Dichloroethene	4.22	96	63989	19.387	ug/l	85
22) Diisopropyl ether	5.13	45	169882	19.199	ug/l	90
23) Vinyl Acetate	5.07	43	521014	97.446	ug/l	99
24) 1,1-Dichloroethane	4.99	63	107616	18.884	ug/l	95
25) 2-Butanone	6.08	43	74095	97.011	ug/l	98
26) 2,2-Dichloropropane	6.03	77	143934	23.431	ug/l	93
27) cis-1,2-Dichloroethene	6.04	96	67311	18.913	ug/l	79
28) Bromochloromethane	6.45	49	35308	17.263	ug/l	90
29) Tetrahydrofuran	6.47	42	34180	93.702	ug/l	94
30) Chloroform	6.67	83	151984	20.919	ug/l	98
31) Cyclohexane	6.97	56	69467	18.054	ug/l	89
32) 1,1,1-Trichloroethane	6.88	97	162561	22.163	ug/l	99
36) 1,1-Dichloropropene	7.15	75	98931	21.552	ug/l	94
37) Ethyl Acetate	6.20	43	43655	24.480	ug/l #	88
38) Carbon Tetrachloride	7.12	117	169640	24.865	ug/l	97

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	8.88	83	84833	22.406	ug/l	99
40) Benzene	7.46	78	191744	21.295	ug/l	98
41) Methacrylonitrile	6.47	41	48642	21.718	ug/l #	73
42) 1,2-Dichloroethane	7.59	62	116962	24.531	ug/l	90
43) Isopropyl Acetate	9.25	43	49347	20.859	ug/l	99
44) Trichloroethene	8.54	130	76268	21.155	ug/l	92
45) 1,2-Dichloropropane	8.95	63	43959	20.033	ug/l #	88
46) Dibromomethane	9.07	93	43434	21.837	ug/l #	78
47) Bromodichloromethane	9.39	83	120581	23.830	ug/l	98
48) Methyl methacrylate	9.13	41	34927	21.939	ug/l #	70
49) 1,4-Dioxane	9.10	88	6161	431.447	ug/l #	70
51) 4-Methyl-2-Pentanone	10.31	43	173066	110.737	ug/l	93
52) Toluene	10.52	92	120399	19.532	ug/l	98
53) t-1,3-Dichloropropene	10.92	75	99654	23.656	ug/l	98
54) cis-1,3-Dichloropropene	10.05	75	98011	22.297	ug/l #	78
55) 1,1,2-Trichloroethane	11.20	97	43961	21.043	ug/l	98
56) Ethyl methacrylate	11.05	69	48375	21.660	ug/l #	73
57) 1,3-Dichloropropane	11.42	76	65622	20.482	ug/l	93
58) 2-Chloroethyl Vinyl ether	9.87	63	125582	109.507	ug/l	95
59) 2-Hexanone	11.54	43	133005	117.098	ug/l	90
60) Dibromochloromethane	11.69	129	93969	23.419	ug/l	98
61) 1,2-Dibromoethane	11.82	107	56857	22.084	ug/l	99
64) Tetrachloroethene	11.27	164	75962	20.671	ug/l	92
65) Chlorobenzene	12.41	112	161217	19.102	ug/l	97
66) 1,1,1,2-Tetrachloroethane	12.52	131	84029	21.569	ug/l	90
67) Ethyl Benzene	12.53	91	316754	21.790	ug/l	92
68) m/p-Xylenes	12.68	106	205882	39.455	ug/l	88
69) o-Xylene	13.06	106	96205	19.540	ug/l	81
70) Styrene	13.08	104	169383	20.223	ug/l #	89
71) Bromoform	13.24	173	57017	22.038	ug/l	100
73) Isopropylbenzene	13.41	105	289288	18.941	ug/l	96
74) N-amyl acetate	13.28	43	73337	19.441	ug/l #	94
75) 1,1,2,2-Tetrachloroethane	13.71	83	49869	18.099	ug/l #	87
76) 1,2,3-Trichloropropane	13.74	75	59915	20.993	ug/l	96
77) Bromobenzene	13.68	156	83339	19.235	ug/l	98
78) n-propylbenzene	13.78	91	358591	20.269	ug/l	97
79) 2-Chlorotoluene	13.85	91	217430	20.252	ug/l	89
80) 1,3,5-Trimethylbenzene	13.94	105	261936	19.807	ug/l	92
81) trans-1,4-Dichloro-2-buten	13.48	75	14354	17.833	ug/l #	64
82) 4-Chlorotoluene	13.96	91	258952	20.943	ug/l	86
83) tert-Butylbenzene	14.20	119	304987	20.791	ug/l	97
84) 1,2,4-Trimethylbenzene	14.24	105	282620	20.857	ug/l	88
85) sec-Butylbenzene	14.38	105	295237	19.302	ug/l	98
86) p-Isopropyltoluene	14.50	119	298142	21.509	ug/l	93
87) 1,3-Dichlorobenzene	14.46	146	152395	19.918	ug/l	99
88) 1,4-Dichlorobenzene	14.55	146	153699	20.817	ug/l	97
89) n-Butylbenzene	14.80	91	277206	20.722	ug/l	94
90) Hexachloroethane	15.02	117	83603	21.824	ug/l	77
91) 1,2-Dichlorobenzene	14.81	146	140336	21.570	ug/l	95
92) 1,2-Dibromo-3-Chloropropan	15.38	75	11787	22.537	ug/l	64

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.95	180	108291	21.139	ug/l	90
94) Hexachlorobutadiene	16.04	225	78948	20.872	ug/l	99
95) Naphthalene	16.13	128	129399	18.486	ug/l	99
96) 1,2,3-Trichlorobenzene	16.28	180	81627	19.437	ug/l	97

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

