

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD052419\
 Data File : VD062529.D
 Acq On : 24 May 2019 14:00
 Operator : VA/AP
 Sample : VD0524SBS01
 Misc : 5.00g/5ml/MSVOA D/SOIL
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0524SBS01

Quant Time: May 24 22:08:59 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	7.04	168	443114	50.00	ug/l	-0.02
34) 1,4-Difluorobenzene	8.21	114	560711	50.00	ug/l	-0.02
63) Chlorobenzene-d5	12.37	117	457873	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	14.52	152	282536	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	260920	55.01	ug/l	-0.02
Spiked Amount	50.000		Recovery	=	110.02%	
35) Dibromofluoromethane	6.92	113	264136	52.22	ug/l	-0.02
Spiked Amount	50.000		Recovery	=	104.44%	
50) Toluene-d8	10.41	98	538464	48.64	ug/l	-0.02
Spiked Amount	50.000		Recovery	=	97.28%	
62) 4-Bromofluorobenzene	13.56	95	237981	49.15	ug/l	0.00
Spiked Amount	50.000		Recovery	=	98.30%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	1.57	85	100115	21.194	ug/l	99
3) Chloromethane	1.75	50	64122	20.889	ug/l	91
4) Vinyl Chloride	1.85	62	74550	23.079	ug/l	91
5) Bromomethane	2.14	94	36077	25.883	ug/l	92
6) Chloroethane	2.25	64	41743	26.714	ug/l	92
7) Trichlorofluoromethane	2.52	101	198317	26.572	ug/l	93
8) Diethyl Ether	2.87	74	25428	25.256	ug/l	66
9) 1,1,2-Trichlorotrifluoroet	3.13	101	101691	22.902	ug/l #	94
10) Methyl Iodide	3.29	142	140451	22.685	ug/l #	69
11) Tert butyl alcohol	4.09	59	21389	97.693	ug/l #	81
12) 1,1-Dichloroethene	3.12	96	75090	22.882	ug/l #	82
13) Acrolein	3.03	56	18856	103.708	ug/l	92
14) Allyl chloride	3.61	41	94405	19.511	ug/l #	69
15) Acrylonitrile	4.20	53	45621	90.935	ug/l #	76
16) Acetone	3.22	43	87533	102.982	ug/l #	79
17) Carbon Disulfide	3.36	76	198890	20.012	ug/l	97
18) Methyl Acetate	3.64	43	28828	19.655	ug/l	98
19) Methyl tert-butyl Ether	4.24	73	170216	22.458	ug/l	95
20) Methylene Chloride	3.80	84	76996	17.118	ug/l	91
21) trans-1,2-Dichloroethene	4.22	96	74164	19.305	ug/l	86
22) Diisopropyl ether	5.11	45	202712	19.683	ug/l #	86
23) Vinyl Acetate	5.05	43	601146	96.597	ug/l #	94
24) 1,1-Dichloroethane	4.98	63	135478	20.425	ug/l	97
25) 2-Butanone	6.08	43	83441	93.859	ug/l	95
26) 2,2-Dichloropropane	6.02	77	164648	23.027	ug/l	90
27) cis-1,2-Dichloroethene	6.04	96	79114	19.098	ug/l	93
28) Bromochloromethane	6.44	49	42948	18.041	ug/l	100
29) Tetrahydrofuran	6.46	42	37894	89.252	ug/l	97
30) Chloroform	6.66	83	168646	19.943	ug/l	99
31) Cyclohexane	6.94	56	77175	17.232	ug/l	99
32) 1,1,1-Trichloroethane	6.86	97	181287	21.234	ug/l	96
36) 1,1-Dichloropropene	7.14	75	114395	21.339	ug/l	92
37) Ethyl Acetate	6.18	43	50655	24.323	ug/l #	91
38) Carbon Tetrachloride	7.11	117	203506	25.543	ug/l	98

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	8.86	83	95877	21.684	ug/l	88
40) Benzene	7.46	78	215884	20.531	ug/l	98
41) Methacrylonitrile	6.44	41	51446	19.669	ug/l #	85
42) 1,2-Dichloroethane	7.57	62	127016	22.811	ug/l	88
43) Isopropyl Acetate	9.24	43	54881	19.865	ug/l	89
44) Trichloroethene	8.54	130	91736	21.789	ug/l	86
45) 1,2-Dichloropropane	8.94	63	49314	19.244	ug/l	93
46) Dibromomethane	9.06	93	49011	21.099	ug/l	87
47) Bromodichloromethane	9.37	83	137110	23.203	ug/l	99
48) Methyl methacrylate	9.12	41	41249	22.187	ug/l #	73
49) 1,4-Dioxane	9.08	88	7040	422.155	ug/l #	88
51) 4-Methyl-2-Pentanone	10.30	43	188349	103.197	ug/l	92
52) Toluene	10.51	92	146110	20.297	ug/l	100
53) t-1,3-Dichloropropene	10.91	75	107498	21.851	ug/l	96
54) cis-1,3-Dichloropropene	10.03	75	116553	22.705	ug/l #	79
55) 1,1,2-Trichloroethane	11.18	97	50830	20.834	ug/l	95
56) Ethyl methacrylate	11.04	69	52594	20.165	ug/l #	71
57) 1,3-Dichloropropane	11.40	76	76392	20.417	ug/l	98
58) 2-Chloroethyl Vinyl ether	9.86	63	149815	111.864	ug/l	97
59) 2-Hexanone	11.53	43	137225	103.451	ug/l	86
60) Dibromochloromethane	11.69	129	110153	23.507	ug/l	100
61) 1,2-Dibromoethane	11.80	107	61142	20.336	ug/l	89
64) Tetrachloroethene	11.25	164	83124	21.682	ug/l	98
65) Chlorobenzene	12.40	112	173415	19.695	ug/l	99
66) 1,1,1,2-Tetrachloroethane	12.51	131	92619	22.788	ug/l	92
67) Ethyl Benzene	12.52	91	334411	22.050	ug/l	95
68) m/p-Xylenes	12.67	106	231594	42.541	ug/l	81
69) o-Xylene	13.04	106	108390	21.101	ug/l	78
70) Styrene	13.07	104	176455	20.193	ug/l	93
71) Bromoform	13.23	173	65014	24.086	ug/l	96
73) Isopropylbenzene	13.40	105	338472	19.005	ug/l	95
74) N-amyl acetate	13.26	43	76980	17.501	ug/l	94
75) 1,1,2,2-Tetrachloroethane	13.69	83	56664	17.636	ug/l	96
76) 1,2,3-Trichloropropane	13.73	75	64818	19.477	ug/l	97
77) Bromobenzene	13.66	156	95846	18.972	ug/l	85
78) n-propylbenzene	13.77	91	415313	20.132	ug/l	97
79) 2-Chlorotoluene	13.84	91	226511	18.093	ug/l	96
80) 1,3,5-Trimethylbenzene	13.93	105	305064	19.783	ug/l	90
81) trans-1,4-Dichloro-2-buten	13.47	75	17132	18.253	ug/l #	49
82) 4-Chlorotoluene	13.95	91	285916	19.831	ug/l	88
83) tert-Butylbenzene	14.19	119	332776	19.455	ug/l	87
84) 1,2,4-Trimethylbenzene	14.24	105	321716	20.361	ug/l	87
85) sec-Butylbenzene	14.36	105	331518	18.588	ug/l	96
86) p-Isopropyltoluene	14.49	119	336910	20.845	ug/l	91
87) 1,3-Dichlorobenzene	14.45	146	168829	18.923	ug/l	97
88) 1,4-Dichlorobenzene	14.54	146	169794	19.722	ug/l	96
89) n-Butylbenzene	14.80	91	295899	18.970	ug/l	93
90) Hexachloroethane	15.00	117	87141	19.508	ug/l	93
91) 1,2-Dichlorobenzene	14.81	146	151591	19.982	ug/l	98
92) 1,2-Dibromo-3-Chloropropan	15.38	75	12998	21.313	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	108620	18.184	ug/l	93
94) Hexachlorobutadiene	16.04	225	84659	19.194	ug/l	98
95) Naphthalene	16.12	128	143565	17.589	ug/l	99
96) 1,2,3-Trichlorobenzene	16.27	180	83038	16.957	ug/l	91

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

