

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD032819\
 Data File : VD061414.D
 Acq On : 29 Mar 2019 4:19
 Operator : VA/AP
 Sample : VD0328SBS02
 Misc : 5.00g/5ml/MSVOA D/SOIL
 ALS Vial : 33 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0328SBS02

Quant Time: Mar 29 05:30:35 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D032719S.M
 Quant Title : SW846 8260
 QLast Update : Thu Mar 28 09:22:37 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.05	168	635126	50.00	ug/l	0.03
34) 1,4-Difluorobenzene	8.22	114	1047592	50.00	ug/l	0.03
63) Chlorobenzene-d5	12.37	117	888453	50.00	ug/l	0.01
72) 1,4-Dichlorobenzene-d4	14.51	152	410073	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	288902	53.25	ug/l	0.02
Spiked Amount 50.000			Recovery =	106.50%		
35) Dibromofluoromethane	6.93	113	446794	55.81	ug/l	0.03
Spiked Amount 50.000			Recovery =	111.62%		
50) Toluene-d8	10.41	98	1063301	55.38	ug/l	0.02
Spiked Amount 50.000			Recovery =	110.76%		
62) 4-Bromofluorobenzene	13.56	95	403789	54.84	ug/l	0.01
Spiked Amount 50.000			Recovery =	109.68%		

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	1.60	85	127949	18.864	ug/l	99
3) Chloromethane	1.77	50	118874	21.489	ug/l	97
4) Vinyl Chloride	1.86	62	99509	19.592	ug/l	97
5) Bromomethane	2.16	94	21376	21.224	ug/l	90
6) Chloroethane	2.28	64	26832	18.014	ug/l	96
7) Trichlorofluoromethane	2.54	101	154094	20.863	ug/l	99
8) Diethyl Ether	2.89	74	49915	20.990	ug/l	98
9) 1,1,2-Trichlorotrifluoroet	3.16	101	163400	20.578	ug/l	98
10) Methyl Iodide	3.32	142	205663	19.322	ug/l	98
11) Tert butyl alcohol	4.07	59	37184	110.050	ug/l	98
12) 1,1-Dichloroethene	3.14	96	141157	20.706	ug/l	97
13) Acrolein	3.06	56	31875	111.084	ug/l	98
14) Allyl chloride	3.64	41	202898	21.339	ug/l	100
15) Acrylonitrile	4.21	53	138189	117.836	ug/l	94
16) Acetone	3.23	43	121244	86.931	ug/l	99
17) Carbon Disulfide	3.39	76	419428	18.936	ug/l	99
18) Methyl Acetate	3.66	43	68641	23.407	ug/l	94
19) Methyl tert-butyl Ether	4.25	73	269204	22.813	ug/l	97
20) Methylene Chloride	3.83	84	196977	24.221	ug/l	97
21) trans-1,2-Dichloroethene	4.24	96	160520	21.809	ug/l	98
22) Diisopropyl ether	5.12	45	438580	21.797	ug/l	92
23) Vinyl Acetate	5.06	43	1210475	110.750	ug/l	99
24) 1,1-Dichloroethane	4.99	63	249426	21.093	ug/l	98
25) 2-Butanone	6.08	43	171041	97.491	ug/l	99
26) 2,2-Dichloropropane	6.04	77	174531	18.567	ug/l	98
27) cis-1,2-Dichloroethene	6.05	96	175230	21.730	ug/l	96
28) Bromochloromethane	6.44	49	104289	21.848	ug/l #	94
29) Tetrahydrofuran	6.46	42	94062	110.614	ug/l	97
30) Chloroform	6.67	83	272720	22.320	ug/l	98
31) Cyclohexane	6.96	56	190996	20.439	ug/l	97
32) 1,1,1-Trichloroethane	6.88	97	230177	21.353	ug/l	97
36) 1,1-Dichloropropene	7.15	75	188289	20.594	ug/l	96
37) Ethyl Acetate	6.19	43	92954	23.772	ug/l	96
38) Carbon Tetrachloride	7.12	117	217964	20.746	ug/l	94

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	8.87	83	193859	20.358	ug/l	96
40) Benzene	7.46	78	498447	21.722	ug/l	96
41) Methacrylonitrile	6.45	41	105781	23.136	ug/l #	96
42) 1,2-Dichloroethane	7.58	62	157463	22.941	ug/l	99
43) Isopropyl Acetate	9.24	43	130090	22.865	ug/l	96
44) Trichloroethene	8.54	130	185607	21.735	ug/l	93
45) 1,2-Dichloropropane	8.94	63	132454	22.764	ug/l	97
46) Dibromomethane	9.06	93	92240	23.552	ug/l	93
47) Bromodichloromethane	9.38	83	194301	22.105	ug/l	94
48) Methyl methacrylate	9.12	41	70416	22.426	ug/l	96
49) 1,4-Dioxane	9.08	88	15653	451.968	ug/l	94
51) 4-Methyl-2-Pentanone	10.30	43	402282	116.220	ug/l	97
52) Toluene	10.51	92	337294	24.094	ug/l	99
53) t-1,3-Dichloropropene	10.91	75	167343	20.954	ug/l	97
54) cis-1,3-Dichloropropene	10.05	75	225832	23.223	ug/l	93
55) 1,1,2-Trichloroethane	11.19	97	111594	22.794	ug/l	97
56) Ethyl methacrylate	11.04	69	119612	22.742	ug/l	99
57) 1,3-Dichloropropane	11.41	76	177499	24.666	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.86	63	326112	127.322	ug/l	99
59) 2-Hexanone	11.53	43	281558	112.269	ug/l	99
60) Dibromochloromethane	11.69	129	169528	22.462	ug/l	100
61) 1,2-Dibromoethane	11.81	107	132523	23.376	ug/l	97
64) Tetrachloroethene	11.26	164	151774	21.767	ug/l	98
65) Chlorobenzene	12.40	112	379999	20.928	ug/l	97
66) 1,1,1,2-Tetrachloroethane	12.52	131	153862	21.886	ug/l	99
67) Ethyl Benzene	12.53	91	604641	21.817	ug/l	97
68) m/p-Xylenes	12.67	106	492770	46.938	ug/l	97
69) o-Xylene	13.05	106	233696	22.939	ug/l	99
70) Styrene	13.08	104	388012	21.848	ug/l	98
71) Bromoform	13.23	173	92585	20.775	ug/l	98
73) Isopropylbenzene	13.40	105	608961	21.337	ug/l	99
74) N-amyl acetate	13.26	43	149921	18.857	ug/l	99
75) 1,1,2,2-Tetrachloroethane	13.70	83	127970	21.255	ug/l	98
76) 1,2,3-Trichloropropane	13.74	75	129989	21.944	ug/l	98
77) Bromobenzene	13.67	156	167756	19.827	ug/l	97
78) n-propylbenzene	13.78	91	728252	20.851	ug/l	97
79) 2-Chlorotoluene	13.84	91	412273	21.739	ug/l	92
80) 1,3,5-Trimethylbenzene	13.93	105	483266	21.823	ug/l	99
81) trans-1,4-Dichloro-2-buten	13.47	75	36540	20.231	ug/l	98
82) 4-Chlorotoluene	13.94	91	450337	21.839	ug/l	88
83) tert-Butylbenzene	14.19	119	559495	20.217	ug/l	95
84) 1,2,4-Trimethylbenzene	14.24	105	485195	20.238	ug/l	98
85) sec-Butylbenzene	14.37	105	591075	20.105	ug/l	99
86) p-Isopropyltoluene	14.49	119	496572	19.975	ug/l	96
87) 1,3-Dichlorobenzene	14.46	146	274735	19.175	ug/l	98
88) 1,4-Dichlorobenzene	14.53	146	292692	20.948	ug/l	95
89) n-Butylbenzene	14.80	91	423476	18.559	ug/l	99
90) Hexachloroethane	15.01	117	136987	19.505	ug/l	79
91) 1,2-Dichlorobenzene	14.81	146	236926	20.160	ug/l	97
92) 1,2-Dibromo-3-Chloropropan	15.38	75	15597	22.088	ug/l	82

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.94	180	111490	20.825	ug/l	94
94) Hexachlorobutadiene	16.04	225	79433	18.987	ug/l	99
95) Naphthalene	16.12	128	174841	21.425	ug/l	99
96) 1,2,3-Trichlorobenzene	16.27	180	51621	21.912	ug/l	96

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

