

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD031819\
 Data File : VD061163.D
 Acq On : 19 Mar 2019 1:18
 Operator : VA/AP
 Sample : VD0318SBS02
 Misc : 5.00µl/5ml/MSVOA D/SOIL
 ALS Vial : 33 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0318SBS02

Quant Time: Mar 19 01:42:13 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D030719S.M
 Quant Title : SW846 8260
 QLast Update : Fri Mar 08 02:35:39 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.03	168	567421	50.00	ug/l	-0.01
34) 1,4-Difluorobenzene	8.20	114	1040039	50.00	ug/l	-0.01
63) Chlorobenzene-d5	12.36	117	899934	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	14.51	152	352132	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	261068	55.27	ug/l	0.00
Spiked Amount			Recovery	=	110.54%	
35) Dibromofluoromethane	6.91	113	413211	53.54	ug/l	-0.01
Spiked Amount			Recovery	=	107.08%	
50) Toluene-d8	10.40	98	910822	46.99	ug/l	0.00
Spiked Amount			Recovery	=	93.98%	
62) 4-Bromofluorobenzene	13.55	95	406195	54.01	ug/l	0.00
Spiked Amount			Recovery	=	108.02%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	1.58	85	112585	20.031	ug/l	99
3) Chloromethane	1.76	50	93522	19.974	ug/l	100
4) Vinyl Chloride	1.85	62	78659	18.181	ug/l	96
5) Bromomethane	2.15	94	17662	20.251	ug/l #	83
6) Chloroethane	2.26	64	23736	18.329	ug/l #	83
7) Trichlorofluoromethane	2.52	101	131079	21.090	ug/l	94
8) Diethyl Ether	2.87	74	46180	22.523	ug/l	98
9) 1,1,2-Trichlorotrifluoroet	3.14	101	151597	21.817	ug/l	99
10) Methyl Iodide	3.30	142	184693	21.102	ug/l	99
11) Tert butyl alcohol	4.05	59	35041	116.538	ug/l	99
12) 1,1-Dichloroethene	3.12	96	122595	21.524	ug/l	96
13) Acrolein	3.04	56	28032	64.432	ug/l	95
14) Allyl chloride	3.62	41	186292	20.442	ug/l	97
15) Acrylonitrile	4.19	53	135561	127.562	ug/l	97
16) Acetone	3.22	43	127965	94.745	ug/l	99
17) Carbon Disulfide	3.37	76	363665	18.928	ug/l	99
18) Methyl Acetate	3.64	43	58095	21.857	ug/l	95
19) Methyl tert-butyl Ether	4.24	73	260368	26.084	ug/l	96
20) Methylene Chloride	3.81	84	144859	20.799	ug/l	95
21) trans-1,2-Dichloroethene	4.21	96	142533	23.120	ug/l	97
22) Diisopropyl ether	5.10	45	412268	21.792	ug/l	92
23) Vinyl Acetate	5.04	43	1191808	122.721	ug/l	100
24) 1,1-Dichloroethane	4.98	63	235721	22.742	ug/l	97
25) 2-Butanone	6.06	43	172225	112.376	ug/l	95
26) 2,2-Dichloropropane	6.02	77	167811	20.739	ug/l	96
27) cis-1,2-Dichloroethene	6.03	96	158791	24.277	ug/l	93
28) Bromochloromethane	6.43	49	80322	18.305	ug/l	93
29) Tetrahydrofuran	6.44	42	84009	100.949	ug/l	96
30) Chloroform	6.66	83	249313	23.208	ug/l	98
31) Cyclohexane	6.94	56	154350	18.468	ug/l	96
32) 1,1,1-Trichloroethane	6.87	97	208492	22.448	ug/l	95
36) 1,1-Dichloropropene	7.13	75	181902	20.290	ug/l	99
37) Ethyl Acetate	6.17	43	87433	20.783	ug/l	98
38) Carbon Tetrachloride	7.10	117	204108	20.669	ug/l	95

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	8.85	83	185056	19.907	ug/l	94
40) Benzene	7.45	78	455612	20.339	ug/l	100
41) Methacrylonitrile	6.43	41	91767	18.964	ug/l	95
42) 1,2-Dichloroethane	7.56	62	147806	22.737	ug/l	98
43) Isopropyl Acetate	9.23	43	113573	19.492	ug/l #	97
44) Trichloroethene	8.53	130	172970	22.381	ug/l	96
45) 1,2-Dichloropropane	8.92	63	109641	18.630	ug/l	100
46) Dibromomethane	9.05	93	82233	22.028	ug/l	98
47) Bromodichloromethane	9.37	83	181419	21.535	ug/l	99
48) Methyl methacrylate	9.11	41	69497	21.184	ug/l	90
49) 1,4-Dioxane	9.06	88	15033	453.160	ug/l	97
51) 4-Methyl-2-Pentanone	10.29	43	399911	112.031	ug/l	99
52) Toluene	10.50	92	304308	21.846	ug/l	97
53) t-1,3-Dichloropropene	10.90	75	168588	21.886	ug/l	98
54) cis-1,3-Dichloropropene	10.03	75	205449	22.198	ug/l	96
55) 1,1,2-Trichloroethane	11.18	97	103771	22.369	ug/l	97
56) Ethyl methacrylate	11.03	69	115102	23.705	ug/l	95
57) 1,3-Dichloropropane	11.39	76	148250	21.385	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.85	63	265003	103.105	ug/l	100
59) 2-Hexanone	11.52	43	272712	104.440	ug/l	96
60) Dibromochloromethane	11.67	129	156642	22.944	ug/l	97
61) 1,2-Dibromoethane	11.80	107	122724	22.742	ug/l	95
64) Tetrachloroethene	11.25	164	141194	23.242	ug/l	95
65) Chlorobenzene	12.39	112	379033	21.484	ug/l	99
66) 1,1,1,2-Tetrachloroethane	12.51	131	141186	22.451	ug/l	99
67) Ethyl Benzene	12.52	91	561074	21.362	ug/l	99
68) m/p-Xylenes	12.65	106	430374	41.748	ug/l	96
69) o-Xylene	13.04	106	212604	20.981	ug/l	99
70) Styrene	13.06	104	339999	20.548	ug/l	98
71) Bromoform	13.22	173	91172	22.473	ug/l	98
73) Isopropylbenzene	13.39	105	577198	22.745	ug/l	98
74) N-amyl acetate	13.25	43	161463	22.596	ug/l	97
75) 1,1,2,2-Tetrachloroethane	13.69	83	120994	24.437	ug/l	97
76) 1,2,3-Trichloropropane	13.73	75	113584	22.421	ug/l	99
77) Bromobenzene	13.66	156	165356	25.525	ug/l	85
78) n-propylbenzene	13.77	91	706066	23.766	ug/l	98
79) 2-Chlorotoluene	13.83	91	399485	24.424	ug/l	95
80) 1,3,5-Trimethylbenzene	14.23	105	465524	24.163	ug/l	100
81) trans-1,4-Dichloro-2-buten	13.46	75	33069	22.141	ug/l	97
82) 4-Chlorotoluene	13.94	91	436828	22.591	ug/l	98
83) tert-Butylbenzene	14.18	119	555601	26.352	ug/l	94
84) 1,2,4-Trimethylbenzene	14.23	105	465524	24.163	ug/l	100
85) sec-Butylbenzene	14.36	105	589228	22.892	ug/l	95
86) p-Isopropyltoluene	14.48	119	490012	23.290	ug/l	98
87) 1,3-Dichlorobenzene	14.45	146	276928	23.940	ug/l	97
88) 1,4-Dichlorobenzene	14.53	146	255704	22.495	ug/l	97
89) n-Butylbenzene	14.79	91	410548	20.320	ug/l	98
90) Hexachloroethane	15.00	117	130102	21.899	ug/l	76
91) 1,2-Dichlorobenzene	14.80	146	234136	24.279	ug/l	98
92) 1,2-Dibromo-3-Chloropropan	15.37	75	12811	21.471	ug/l	79

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.94	180	114857	25.674	ug/l	98
94) Hexachlorobutadiene	16.03	225	81562	24.104	ug/l	97
95) Naphthalene	16.12	128	198470	29.195	ug/l	99
96) 1,2,3-Trichlorobenzene	16.27	180	54711	24.762	ug/l	98

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

