

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD042319\
 Data File : VD061976.D
 Acq On : 23 Apr 2019 18:08
 Operator : VA/AP
 Sample : VD0423SBS01
 Misc : 5.00µl/5ml/MSVOA D/SOIL
 ALS Vial : 19 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0423SBS01

Quant Time: Apr 24 02:11:32 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D042319S.M
 Quant Title : SW846 8260
 QLast Update : Tue Apr 23 14:52:55 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.05	168	601648	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.22	114	955279	50.00	ug/l	0.00
63) Chlorobenzene-d5	12.37	117	826856	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	14.52	152	364484	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	253316	53.80	ug/l	0.00
Spiked Amount			Recovery	=	107.60%	
35) Dibromofluoromethane	6.93	113	369360	55.91	ug/l	0.00
Spiked Amount			Recovery	=	111.82%	
50) Toluene-d8	10.41	98	828928	52.73	ug/l	0.00
Spiked Amount			Recovery	=	105.46%	
62) 4-Bromofluorobenzene	13.55	95	345131	54.74	ug/l	0.00
Spiked Amount			Recovery	=	109.48%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	1.57	85	97199	18.093	ug/l	99
3) Chloromethane	1.75	50	82821	18.139	ug/l	94
4) Vinyl Chloride	1.85	62	78858	19.055	ug/l	99
5) Bromomethane	2.14	94	19512	15.409	ug/l	92
6) Chloroethane	2.25	64	21781	14.560	ug/l	99
7) Trichlorofluoromethane	2.53	101	116515	18.620	ug/l	97
8) Diethyl Ether	2.87	74	32268	19.241	ug/l	91
9) 1,1,2-Trichlorotrifluoroet	3.15	101	112355	19.492	ug/l	99
10) Methyl Iodide	3.30	142	126645	18.284	ug/l	98
11) Tert butyl alcohol	4.07	59	28665	107.742	ug/l	98
12) 1,1-Dichloroethene	3.13	96	92517	18.865	ug/l	90
13) Acrolein	3.04	56	27238	98.672	ug/l	94
14) Allyl chloride	3.62	41	122398	18.278	ug/l	99
15) Acrylonitrile	4.19	53	84010	101.974	ug/l	95
16) Acetone	3.22	43	108260	96.288	ug/l	98
17) Carbon Disulfide	3.37	76	263753	18.612	ug/l	100
18) Methyl Acetate	3.65	43	45139	20.878	ug/l	93
19) Methyl tert-butyl Ether	4.24	73	180579	18.558	ug/l	95
20) Methylene Chloride	3.81	84	108597	17.786	ug/l	97
21) trans-1,2-Dichloroethene	4.22	96	97646	17.357	ug/l	95
22) Diisopropyl ether	5.13	45	275077	17.594	ug/l	97
23) Vinyl Acetate	5.06	43	783367	96.214	ug/l	100
24) 1,1-Dichloroethane	4.99	63	177543	18.788	ug/l	99
25) 2-Butanone	6.07	43	163468	119.918	ug/l	98
26) 2,2-Dichloropropane	6.03	77	163882	19.879	ug/l	99
27) cis-1,2-Dichloroethene	6.04	96	139218	21.753	ug/l	90
28) Bromochloromethane	6.44	49	81252	22.472	ug/l	95
29) Tetrahydrofuran	6.45	42	74018	110.200	ug/l	99
30) Chloroform	6.66	83	219684	20.468	ug/l	100
31) Cyclohexane	6.96	56	136286	19.431	ug/l	97
32) 1,1,1-Trichloroethane	6.88	97	181402	19.425	ug/l	99
36) 1,1-Dichloropropene	7.14	75	151082	20.299	ug/l	97
37) Ethyl Acetate	6.18	43	70956	22.373	ug/l	96
38) Carbon Tetrachloride	7.11	117	183777	19.486	ug/l	98

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)

39) Methylcyclohexane	8.87	83	148623	20.240	ug/l	96
40) Benzene	7.46	78	372458	20.214	ug/l	100
41) Methacrylonitrile	6.44	41	84366	22.798	ug/l #	92
42) 1,2-Dichloroethane	7.58	62	130031	20.785	ug/l	99
43) Isopropyl Acetate	9.24	43	100816	21.755	ug/l	99
44) Trichloroethene	8.54	130	142142	19.899	ug/l	99
45) 1,2-Dichloropropane	8.94	63	91298	19.532	ug/l	95
46) Dibromomethane	9.06	93	69414	20.638	ug/l	96
47) Bromodichloromethane	9.38	83	153655	19.334	ug/l	93
48) Methyl methacrylate	9.12	41	57344	21.688	ug/l	98
49) 1,4-Dioxane	9.08	88	13324	467.415	ug/l	96
51) 4-Methyl-2-Pentanone	10.30	43	323830	114.265	ug/l	99
52) Toluene	10.51	92	252096	21.458	ug/l	97
53) t-1,3-Dichloropropene	10.91	75	143326	21.485	ug/l	99
54) cis-1,3-Dichloropropene	10.04	75	167653	20.664	ug/l	98
55) 1,1,2-Trichloroethane	11.19	97	84344	21.384	ug/l	95
56) Ethyl methacrylate	11.04	69	91941	21.047	ug/l	98
57) 1,3-Dichloropropane	11.41	76	123778	20.319	ug/l	95
58) 2-Chloroethyl Vinyl ether	9.86	63	255153	125.632	ug/l	97
59) 2-Hexanone	11.53	43	242904	114.258	ug/l	99
60) Dibromochloromethane	11.68	129	139764	21.416	ug/l	100
61) 1,2-Dibromoethane	11.81	107	99353	21.235	ug/l	98
64) Tetrachloroethene	11.26	164	113668	19.271	ug/l	97
65) Chlorobenzene	12.40	112	316560	20.260	ug/l	96
66) 1,1,1,2-Tetrachloroethane	12.52	131	118434	17.870	ug/l	98
67) Ethyl Benzene	12.53	91	464741	18.224	ug/l	100
68) m/p-Xylenes	12.67	106	357973	38.837	ug/l	99
69) o-Xylene	13.05	106	172391	20.441	ug/l	100
70) Styrene	13.07	104	310842	21.346	ug/l	98
71) Bromoform	13.24	173	80551	21.318	ug/l #	96
73) Isopropylbenzene	13.40	105	450788	18.541	ug/l	98
74) N-amyl acetate	13.27	43	137138	21.901	ug/l	96
75) 1,1,2,2-Tetrachloroethane	13.70	83	102239	21.458	ug/l	96
76) 1,2,3-Trichloropropane	13.74	75	93084	20.111	ug/l	99
77) Bromobenzene	13.67	156	142320	20.405	ug/l	91
78) n-propylbenzene	13.78	91	533687	19.174	ug/l	99
79) 2-Chlorotoluene	13.84	91	327370	19.418	ug/l	94
80) 1,3,5-Trimethylbenzene	13.94	105	391750	20.207	ug/l	95
81) trans-1,4-Dichloro-2-buten	13.47	75	28652	20.428	ug/l	97
82) 4-Chlorotoluene	13.95	91	368640	19.855	ug/l	91
83) tert-Butylbenzene	14.19	119	480622	21.401	ug/l	96
84) 1,2,4-Trimethylbenzene	14.24	105	392952	21.228	ug/l	99
85) sec-Butylbenzene	14.37	105	542343	22.349	ug/l	97
86) p-Isopropyltoluene	14.49	119	444715	20.477	ug/l	94
87) 1,3-Dichlorobenzene	14.46	146	252160	20.645	ug/l	97
88) 1,4-Dichlorobenzene	14.54	146	240098	21.020	ug/l	98
89) n-Butylbenzene	14.80	91	400293	20.530	ug/l	100
90) Hexachloroethane	15.01	117	120747	20.561	ug/l	97
91) 1,2-Dichlorobenzene	14.81	146	210060	20.849	ug/l	97
92) 1,2-Dibromo-3-Chloropropan	15.38	75	13194	20.392	ug/l	91

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.94	180	129972	23.909	ug/l	95
94) Hexachlorobutadiene	16.04	225	88522	22.004	ug/l	98
95) Naphthalene	16.12	128	209469	23.865	ug/l	99
96) 1,2,3-Trichlorobenzene	16.27	180	86741	28.122	ug/l	98

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

