

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD070219\
 Data File : VD063002.D
 Acq On : 2 Jul 2019 11:37
 Operator : VA/AP
 Sample : VD0702SBS01
 Misc : 5.00g/5ml/MSVOA D/SOIL
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0702SBS01

Quant Time: Jul 03 00:56:19 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D061919S.M
 Quant Title : SW846 8260
 QLast Update : Thu Jun 20 01:50:56 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.05	168	903657	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.23	114	1242280	50.00	ug/l	0.00
63) Chlorobenzene-d5	12.37	117	1079959	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	14.52	152	591164	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	481123	48.98	ug/l	0.00
Spiked Amount			Recovery	=	97.96%	
35) Dibromofluoromethane	6.93	113	495320	47.29	ug/l	0.00
Spiked Amount			Recovery	=	94.58%	
50) Toluene-d8	10.42	98	1114517	48.89	ug/l	0.00
Spiked Amount			Recovery	=	97.78%	
62) 4-Bromofluorobenzene	13.56	95	471418	45.48	ug/l	0.00
Spiked Amount			Recovery	=	90.96%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	1.58	85	267715	22.894	ug/l	98
3) Chloromethane	1.75	50	189618	21.561	ug/l	93
4) Vinyl Chloride	1.85	62	191245	21.933	ug/l	96
5) Bromomethane	2.15	94	79128	19.378	ug/l	99
6) Chloroethane	2.25	64	79870	20.232	ug/l	95
7) Trichlorofluoromethane	2.53	101	399537	22.641	ug/l	96
8) Diethyl Ether	2.87	74	51185	22.829	ug/l	94
9) 1,1,2-Trichlorotrifluoroet	3.15	101	212495	22.227	ug/l	96
10) Methyl Iodide	3.31	142	255608	20.266	ug/l	98
11) Tert butyl alcohol	4.10	59	50793	113.537	ug/l #	83
12) 1,1-Dichloroethene	3.13	96	162895	22.714	ug/l	97
13) Acrolein	3.04	56	24329	53.270	ug/l	96
14) Allyl chloride	3.62	41	231742	21.869	ug/l	95
15) Acrylonitrile	4.21	53	120293	114.435	ug/l	96
16) Acetone	3.24	43	194110	93.056	ug/l	98
17) Carbon Disulfide	3.38	76	492534	21.489	ug/l	98
18) Methyl Acetate	3.65	43	85936	28.981	ug/l	95
19) Methyl tert-butyl Ether	4.24	73	358662	23.102	ug/l	92
20) Methylene Chloride	3.82	84	183872	24.545	ug/l	98
21) trans-1,2-Dichloroethene	4.22	96	175127	22.934	ug/l	92
22) Diisopropyl ether	5.14	45	483206	22.422	ug/l	98
23) Vinyl Acetate	5.07	43	1409570	104.528	ug/l	98
24) 1,1-Dichloroethane	4.99	63	302524	21.561	ug/l	100
25) 2-Butanone	6.08	43	201481	109.672	ug/l	96
26) 2,2-Dichloropropane	6.02	77	330850	22.246	ug/l	97
27) cis-1,2-Dichloroethene	6.04	96	167748	20.773	ug/l	95
28) Bromochloromethane	6.45	49	112954	22.857	ug/l	91
29) Tetrahydrofuran	6.47	42	98072	112.828	ug/l	96
30) Chloroform	6.67	83	407878	23.903	ug/l	98
31) Cyclohexane	6.96	56	206427	22.379	ug/l	98
32) 1,1,1-Trichloroethane	6.88	97	387526	21.804	ug/l	93
36) 1,1-Dichloropropene	7.16	75	255097	21.692	ug/l	96
37) Ethyl Acetate	6.20	43	107352	21.094	ug/l	95
38) Carbon Tetrachloride	7.12	117	384951	21.765	ug/l	95

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	8.87	83	204591	19.764	ug/l	97
40) Benzene	7.46	78	515143	21.823	ug/l	97
41) Methacrylonitrile	6.46	41	132622	21.385	ug/l	95
42) 1,2-Dichloroethane	7.59	62	290601	22.567	ug/l	100
43) Isopropyl Acetate	9.25	43	142524	23.117	ug/l #	98
44) Trichloroethene	8.55	130	201160	21.736	ug/l	94
45) 1,2-Dichloropropane	8.95	63	128811	21.945	ug/l	97
46) Dibromomethane	9.07	93	110950	22.004	ug/l	93
47) Bromodichloromethane	9.38	83	289772	22.128	ug/l	97
48) Methyl methacrylate	9.14	41	87998	20.085	ug/l	97
49) 1,4-Dioxane	9.10	88	17705	485.724	ug/l	93
51) 4-Methyl-2-Pentanone	10.31	43	484002	110.725	ug/l	97
52) Toluene	10.51	92	336025	21.176	ug/l	100
53) t-1,3-Dichloropropene	10.92	75	225712	21.059	ug/l	99
54) cis-1,3-Dichloropropene	10.05	75	243079	20.866	ug/l	94
55) 1,1,2-Trichloroethane	11.19	97	119918	21.997	ug/l	97
56) Ethyl methacrylate	11.06	69	127560	21.895	ug/l	90
57) 1,3-Dichloropropane	11.42	76	179792	21.539	ug/l	96
58) 2-Chloroethyl Vinyl ether	9.86	63	273274	91.365	ug/l	98
59) 2-Hexanone	11.54	43	350588	112.617	ug/l	97
60) Dibromochloromethane	11.70	129	218474	21.515	ug/l	97
61) 1,2-Dibromoethane	11.81	107	140653	21.845	ug/l	100
64) Tetrachloroethene	11.26	164	182487	20.531	ug/l	92
65) Chlorobenzene	12.40	112	439481	21.927	ug/l	97
66) 1,1,1,2-Tetrachloroethane	12.52	131	193767	20.672	ug/l	91
67) Ethyl Benzene	12.53	91	774873	21.533	ug/l	98
68) m/p-Xylenes	12.67	106	542174	43.259	ug/l	100
69) o-Xylene	13.05	106	244356	21.328	ug/l	99
70) Styrene	13.07	104	428115	21.274	ug/l	99
71) Bromoform	13.24	173	135635	21.120	ug/l	94
73) Isopropylbenzene	13.41	105	795239	20.980	ug/l	97
74) N-amyl acetate	13.27	43	194651	21.146	ug/l	96
75) 1,1,2,2-Tetrachloroethane	13.70	83	130566	21.141	ug/l	93
76) 1,2,3-Trichloropropane	13.73	75	143370	21.008	ug/l	95
77) Bromobenzene	13.67	156	236526	23.200	ug/l	98
78) n-propylbenzene	13.78	91	936977	21.238	ug/l	98
79) 2-Chlorotoluene	13.84	91	533777	21.171	ug/l	99
80) 1,3,5-Trimethylbenzene	13.94	105	629745	19.780	ug/l	98
81) trans-1,4-Dichloro-2-buten	13.48	75	37404	20.912	ug/l #	83
82) 4-Chlorotoluene	13.95	91	642452	21.166	ug/l	95
83) tert-Butylbenzene	14.20	119	776727	21.887	ug/l	100
84) 1,2,4-Trimethylbenzene	14.24	105	676760	20.739	ug/l	99
85) sec-Butylbenzene	14.37	105	813893	21.101	ug/l	99
86) p-Isopropyltoluene	14.49	119	774058	21.936	ug/l	99
87) 1,3-Dichlorobenzene	14.46	146	412006	22.544	ug/l	98
88) 1,4-Dichlorobenzene	14.54	146	391752	21.342	ug/l	98
89) n-Butylbenzene	14.80	91	672374	20.358	ug/l	98
90) Hexachloroethane	15.01	117	200782	21.163	ug/l	97
91) 1,2-Dichlorobenzene	14.82	146	334528	21.394	ug/l	98
92) 1,2-Dibromo-3-Chloropropan	15.38	75	23859	19.793	ug/l	81

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.95	180	238620	19.536	ug/l	99
94) Hexachlorobutadiene	16.04	225	207958	22.286	ug/l	97
95) Naphthalene	16.13	128	357073	20.857	ug/l	99
96) 1,2,3-Trichlorobenzene	16.27	180	200065	21.318	ug/l	97

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

