

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD062519\
 Data File : VD062894.D
 Acq On : 26 Jun 2019 00:46
 Operator : VA/AP
 Sample : VD0625SBS02
 Misc : 5.00g/5ml/MSVOA D/SOIL
 ALS Vial : 32 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0625SBS02

Quant Time: Jun 26 01:12:57 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	7.04	168	801832	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.22	114	1203682	50.00	ug/l	0.00
63) Chlorobenzene-d5	12.37	117	991990	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	14.52	152	553853	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	496459	56.96	ug/l	0.00
Spiked Amount			Recovery	=	113.92%	
35) Dibromofluoromethane	6.92	113	499293	49.19	ug/l	0.00
Spiked Amount			Recovery	=	98.38%	
50) Toluene-d8	10.41	98	1041499	47.15	ug/l	0.00
Spiked Amount			Recovery	=	94.30%	
62) 4-Bromofluorobenzene	13.56	95	479800	47.77	ug/l	0.00
Spiked Amount			Recovery	=	95.54%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	1.57	85	223538	21.544	ug/l	97
3) Chloromethane	1.76	50	162471	20.820	ug/l #	88
4) Vinyl Chloride	1.84	62	160951	20.803	ug/l	99
5) Bromomethane	2.14	94	65890	18.185	ug/l	88
6) Chloroethane	2.25	64	70867	20.231	ug/l	96
7) Trichlorofluoromethane	2.52	101	325990	20.819	ug/l	93
8) Diethyl Ether	2.87	74	51791	26.032	ug/l	94
9) 1,1,2-Trichlorotrifluoroet	3.14	101	185736	21.895	ug/l	89
10) Methyl Iodide	3.29	142	238129	21.278	ug/l	95
11) Tert butyl alcohol	4.09	59	47741	120.267	ug/l	96
12) 1,1-Dichloroethene	3.11	96	137889	21.668	ug/l	89
13) Acrolein	3.03	56	27463	67.768	ug/l	96
14) Allyl chloride	3.61	41	226238	24.061	ug/l	93
15) Acrylonitrile	4.20	53	122383	131.208	ug/l #	81
16) Acetone	3.22	43	200966	109.778	ug/l	98
17) Carbon Disulfide	3.37	76	427378	21.014	ug/l	95
18) Methyl Acetate	3.65	43	99128	37.676	ug/l	97
19) Methyl tert-butyl Ether	4.25	73	356342	25.867	ug/l	95
20) Methylene Chloride	3.81	84	164610	24.764	ug/l	96
21) trans-1,2-Dichloroethene	4.22	96	155647	22.971	ug/l	90
22) Diisopropyl ether	5.12	45	449572	23.510	ug/l	96
23) Vinyl Acetate	5.05	43	1319878	110.306	ug/l	100
24) 1,1-Dichloroethane	4.97	63	275398	22.120	ug/l	98
25) 2-Butanone	6.08	43	196544	120.570	ug/l	97
26) 2,2-Dichloropropane	6.02	77	247986	18.792	ug/l	99
27) cis-1,2-Dichloroethene	6.04	96	157693	22.008	ug/l	92
28) Bromochloromethane	6.43	49	97880	22.322	ug/l	90
29) Tetrahydrofuran	6.47	42	105468	136.746	ug/l	97
30) Chloroform	6.67	83	346318	22.873	ug/l	100
31) Cyclohexane	6.95	56	184808	22.580	ug/l	85
32) 1,1,1-Trichloroethane	6.86	97	333964	21.176	ug/l	92
36) 1,1-Dichloropropene	7.14	75	220711	19.370	ug/l	96
37) Ethyl Acetate	6.19	43	104725	21.246	ug/l	99
38) Carbon Tetrachloride	7.11	117	322913	18.843	ug/l	98

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	8.87	83	186291	18.574	ug/l	97
40) Benzene	7.46	78	484951	21.202	ug/l	92
41) Methacrylonitrile	6.46	41	132064	21.978	ug/l #	89
42) 1,2-Dichloroethane	7.58	62	269132	21.570	ug/l	97
43) Isopropyl Acetate	9.24	43	128499	21.511	ug/l #	96
44) Trichloroethene	8.54	130	188023	20.968	ug/l	94
45) 1,2-Dichloropropane	8.94	63	112324	19.750	ug/l	96
46) Dibromomethane	9.07	93	108120	22.131	ug/l	91
47) Bromodichloromethane	9.37	83	259708	20.469	ug/l	93
48) Methyl methacrylate	9.12	41	88473	20.841	ug/l #	87
49) 1,4-Dioxane	9.09	88	20283	574.294	ug/l	95
51) 4-Methyl-2-Pentanone	10.30	43	473356	111.762	ug/l	100
52) Toluene	10.51	92	310457	20.192	ug/l	97
53) t-1,3-Dichloropropene	10.91	75	203343	19.580	ug/l	100
54) cis-1,3-Dichloropropene	10.04	75	237343	21.027	ug/l	89
55) 1,1,2-Trichloroethane	11.20	97	114343	21.647	ug/l #	86
56) Ethyl methacrylate	11.05	69	122349	21.674	ug/l	93
57) 1,3-Dichloropropane	11.41	76	169567	20.965	ug/l	94
58) 2-Chloroethyl Vinyl ether	9.86	63	338005	116.631	ug/l	99
59) 2-Hexanone	11.53	43	361983	120.005	ug/l	97
60) Dibromochloromethane	11.69	129	204246	20.759	ug/l	99
61) 1,2-Dibromoethane	11.81	107	130351	20.894	ug/l	90
64) Tetrachloroethene	11.26	164	182590	22.364	ug/l	98
65) Chlorobenzene	12.40	112	377999	20.532	ug/l	98
66) 1,1,1,2-Tetrachloroethane	12.52	131	170571	19.812	ug/l	91
67) Ethyl Benzene	12.53	91	646447	19.558	ug/l	99
68) m/p-Xylenes	12.67	106	461855	40.119	ug/l	94
69) o-Xylene	13.05	106	235719	22.398	ug/l	96
70) Styrene	13.08	104	401141	21.701	ug/l	95
71) Bromoform	13.23	173	122703	20.801	ug/l #	98
73) Isopropylbenzene	13.40	105	719253	20.254	ug/l	98
74) N-amyl acetate	13.26	43	186744	21.654	ug/l	94
75) 1,1,2,2-Tetrachloroethane	13.70	83	129410	22.366	ug/l	94
76) 1,2,3-Trichloropropane	13.74	75	133890	20.940	ug/l	91
77) Bromobenzene	13.67	156	196664	20.589	ug/l	88
78) n-propylbenzene	13.78	91	789531	19.102	ug/l	97
79) 2-Chlorotoluene	13.84	91	494424	20.932	ug/l	92
80) 1,3,5-Trimethylbenzene	13.93	105	613699	20.574	ug/l	98
81) trans-1,4-Dichloro-2-buten	13.47	75	36594	21.838	ug/l	92
82) 4-Chlorotoluene	13.94	91	587842	20.671	ug/l	93
83) tert-Butylbenzene	14.19	119	613505	18.452	ug/l	92
84) 1,2,4-Trimethylbenzene	14.24	105	576452	18.855	ug/l	93
85) sec-Butylbenzene	14.37	105	651698	18.034	ug/l	90
86) p-Isopropyltoluene	14.49	119	645198	19.516	ug/l	96
87) 1,3-Dichlorobenzene	14.45	146	347243	20.280	ug/l	98
88) 1,4-Dichlorobenzene	14.53	146	347119	20.184	ug/l	97
89) n-Butylbenzene	14.80	91	592950	19.163	ug/l	98
90) Hexachloroethane	15.01	117	170802	19.216	ug/l	85
91) 1,2-Dichlorobenzene	14.81	146	318784	21.761	ug/l	95
92) 1,2-Dibromo-3-Chloropropan	15.38	75	27097	23.994	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	235240	20.557	ug/l	97
94) Hexachlorobutadiene	16.04	225	164398	18.805	ug/l	92
95) Naphthalene	16.13	128	354686	22.114	ug/l	97
96) 1,2,3-Trichlorobenzene	16.28	180	187184	21.289	ug/l	97

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

