

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD122719\
 Data File : VD064647.D
 Acq On : 27 Dec 2019 16:20
 Operator : VA/SY
 Sample : K6431-10MS
 Misc : 7.42G/5.00ml/MSVOA D/SOIL
 ALS Vial : 15 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 SB-2-(4-5)MS

Quant Time: Dec 30 00:59:16 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D122419S.M
 Quant Title : SW846 8260
 QLast Update : Tue Dec 24 13:19:06 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.99	168	8098	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.86	114	13189	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.64	117	12238	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.58	152	6943	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	8.34	65	5839	81.77	ug/l	0.00
Spiked Amount			Recovery	=	163.54%	
35) Dibromofluoromethane	7.91	113	4743	58.62	ug/l	0.00
Spiked Amount			Recovery	=	117.24%	
50) Toluene-d8	10.34	98	14770	47.66	ug/l	0.00
Spiked Amount			Recovery	=	95.32%	
62) 4-Bromofluorobenzene	12.64	95	5649	57.65	ug/l	0.00
Spiked Amount			Recovery	=	115.30%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	1.99	85	2163	34.370	ug/l	79
3) Chloromethane	2.20	50	4764	54.127	ug/l #	82
4) Vinyl Chloride	2.36	62	4929	45.930	ug/l #	87
5) Bromomethane	2.79	94	3165	40.562	ug/l #	61
6) Chloroethane	2.94	64	2402	33.404	ug/l #	85
7) Trichlorofluoromethane	3.29	101	5653	31.285	ug/l	87
8) Diethyl Ether	3.71	74	2513	70.035	ug/l	73
9) 1,1,2-Trichlorotrifluoroet	4.09	101	1442	19.269	ug/l #	22
10) Methyl Iodide	4.31	142	3017	37.533	ug/l #	67
11) Tert butyl alcohol	5.26	59	61	14.906	ug/l #	70
12) 1,1-Dichloroethene	4.08	96	3462	48.593	ug/l #	90
13) Acrolein	3.92	56	3083	540.560	ug/l #	75
14) Allyl chloride	4.73	41	6408	57.688	ug/l #	86
15) Acrylonitrile	5.42	53	9902	662.514	ug/l #	94
16) Acetone	4.16	43	12609	Below Cal		91
17) Carbon Disulfide	4.41	76	9827	42.658	ug/l #	91
18) Methyl Acetate	4.73	43	8143	202.555	ug/l	99
19) Methyl tert-butyl Ether	5.47	73	12588	79.547	ug/l #	86
20) Methylene Chloride	4.98	84	4953	69.752	ug/l #	85
21) trans-1,2-Dichloroethene	5.46	96	2205	27.176	ug/l #	74
22) Diisopropyl ether	6.37	45	12960	58.495	ug/l #	87
23) Vinyl Acetate	6.36	43	8437	67.130	ug/l #	72
24) 1,1-Dichloroethane	6.26	63	7896	59.365	ug/l #	84
25) 2-Butanone	7.21	43	13589	692.323	ug/l	95
26) 2,2-Dichloropropane	7.21	77	4102	33.170	ug/l	88
27) cis-1,2-Dichloroethene	7.23	96	5423	61.931	ug/l #	18
28) Bromochloromethane	7.56	49	4297	83.107	ug/l #	92
29) Tetrahydrofuran	7.57	42	7913	648.274	ug/l	97
30) Chloroform	7.71	83	8307	59.528	ug/l	92
31) Cyclohexane	7.98	56	4708	35.361	ug/l	87
32) 1,1,1-Trichloroethane	7.90	97	6372	48.614	ug/l	91
36) 1,1-Dichloropropene	8.11	75	4581	36.087	ug/l	91
37) Ethyl Acetate	7.30	43	5792	116.142	ug/l #	81
38) Carbon Tetrachloride	8.09	117	4945	36.532	ug/l #	76

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

39) Methylcyclohexane	9.36	83	4906	31.909	ug/l #	87
40) Benzene	8.36	78	15933	45.977	ug/l	94
41) Methacrylonitrile	7.53	41	4220	145.846	ug/l #	88
42) 1,2-Dichloroethane	8.43	62	6780	67.704	ug/l	100
43) Isopropyl Acetate	8.46	43	8440	85.027	ug/l	96
44) Trichloroethene	9.12	130	4942	48.544	ug/l	99
45) 1,2-Dichloropropane	9.39	63	4228	51.099	ug/l	99
46) Dibromomethane	9.49	93	3274	70.971	ug/l	92
47) Bromodichloromethane	9.66	83	6920	56.373	ug/l #	82
48) Methyl methacrylate	9.46	41	4743	101.480	ug/l	92
49) 1,4-Dioxane	9.47	88	1295	2434.555	ug/l #	74
51) 4-Methyl-2-Pentanone	10.23	43	22940	467.561	ug/l	98
52) Toluene	10.40	92	10116	44.494	ug/l	94
53) t-1,3-Dichloropropene	10.63	75	5456	47.673	ug/l	94
54) cis-1,3-Dichloropropene	10.08	75	6931	51.361	ug/l #	88
55) 1,1,2-Trichloroethane	10.81	97	4647	74.747	ug/l #	87
56) Ethyl methacrylate	10.66	69	4916	63.316	ug/l #	94
57) 1,3-Dichloropropane	10.95	76	6721	62.787	ug/l	98
58) 2-Chloroethyl Vinyl ether	9.94	63	6104	206.349	ug/l	91
59) 2-Hexanone	10.98	43	17247	517.926	ug/l	99
60) Dibromochloromethane	11.14	129	5698	66.277	ug/l	95
61) 1,2-Dibromoethane	11.24	107	4961	80.905	ug/l	87
64) Tetrachloroethene	10.88	164	5031	53.585	ug/l #	83
65) Chlorobenzene	11.67	112	10751	42.327	ug/l	91
66) 1,1,1,2-Tetrachloroethane	11.74	131	4635	48.406	ug/l	100
67) Ethyl Benzene	11.75	91	15760	34.185	ug/l	92
68) m/p-Xylenes	11.85	106	11683	65.655	ug/l	99
69) o-Xylene	12.18	106	6546	40.727	ug/l	90
70) Styrene	12.20	104	10253	36.342	ug/l	97
71) Bromoform	12.37	173	4036	73.912	ug/l #	86
73) Isopropylbenzene	12.48	105	15723	31.689	ug/l	99
74) N-amyl acetate	12.29	43	4249	40.062	ug/l #	86
75) 1,1,2,2-Tetrachloroethane	12.74	83	5024	64.458	ug/l	97
76) 1,2,3-Trichloropropane	12.79	75	6322	115.310	ug/l #	100
77) Bromobenzene	12.76	156	5397	44.269	ug/l	93
78) n-propylbenzene	12.83	91	17125	29.585	ug/l	99
79) 2-Chlorotoluene	12.91	91	11229	35.314	ug/l	98
80) 1,3,5-Trimethylbenzene	12.97	105	11204	27.489	ug/l	92
81) trans-1,4-Dichloro-2-buten	12.53	75	305	11.635	ug/l #	18
82) 4-Chlorotoluene	13.01	91	11921	35.229	ug/l	95
83) tert-Butylbenzene	13.23	119	9746	27.541	ug/l	90
84) 1,2,4-Trimethylbenzene	13.27	105	12350	30.425	ug/l	96
85) sec-Butylbenzene	13.40	105	13945	28.744	ug/l	99
86) p-Isopropyltoluene	13.53	119	12033	25.939	ug/l	95
87) 1,3-Dichlorobenzene	13.52	146	9002	38.733	ug/l	95
88) 1,4-Dichlorobenzene	13.60	146	9047	39.626	ug/l	97
89) n-Butylbenzene	13.86	91	10358	24.795	ug/l	97
90) Hexachloroethane	14.13	117	2387	26.938	ug/l	95
91) 1,2-Dichlorobenzene	13.90	146	8206	41.408	ug/l	95
92) 1,2-Dibromo-3-Chloropropan	14.51	75	704	55.717	ug/l	85

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.17	180	5384	36.897	ug/l	95
94) Hexachlorobutadiene	15.28	225	2935	31.964	ug/l	95
95) Naphthalene	15.41	128	10038	43.483	ug/l	96
96) 1,2,3-Trichlorobenzene	15.61	180	5214	41.855	ug/l	91

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

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