

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD080819\
 Data File : VD063465.D
 Acq On : 9 Aug 2019 5:14
 Operator : JC/SY
 Sample : K4237-05MS
 Misc : 5.51a/5ml/MSVOA D/SOIL
 ALS Vial : 41 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 SB-05(13-14)MS

Quant Time: Aug 09 07:05:39 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D072919S.M
 Quant Title : SW846 8260
 QLast Update : Tue Jul 30 03:04:50 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.05	168	864229	50.00	ug/l	0.02
34) 1,4-Difluorobenzene	8.23	114	1121150	50.00	ug/l	0.02
63) Chlorobenzene-d5	12.37	117	943629	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	14.53	152	478872	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	486391	50.72	ug/l	0.02
Spiked Amount			Recovery	=	101.44%	
35) Dibromofluoromethane	6.93	113	557467	58.24	ug/l	0.02
Spiked Amount			Recovery	=	116.48%	
50) Toluene-d8	10.41	98	1180126	55.09	ug/l	0.00
Spiked Amount			Recovery	=	110.18%	
62) 4-Bromofluorobenzene	13.56	95	464215	47.55	ug/l	0.00
Spiked Amount			Recovery	=	95.10%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	1.57	85	471610	44.643	ug/l	98
3) Chloromethane	1.75	50	404068	49.231	ug/l	98
4) Vinyl Chloride	1.85	62	405156	47.684	ug/l	96
5) Bromomethane	2.15	94	226420	52.837	ug/l	95
6) Chloroethane	2.27	64	205764	52.452	ug/l	97
7) Trichlorofluoromethane	2.54	101	912389	55.351	ug/l	98
8) Diethyl Ether	2.87	74	125561	54.427	ug/l	97
9) 1,1,2-Trichlorotrifluoroet	3.15	101	483507	52.953	ug/l	97
10) Methyl Iodide	3.30	142	677975	51.398	ug/l	96
11) Tert butyl alcohol	4.08	59	100283	238.297	ug/l #	87
12) 1,1-Dichloroethene	3.13	96	356237	53.144	ug/l	91
13) Acrolein	3.03	56	1995	4.926	ug/l #	80
14) Allyl chloride	3.62	41	552875	51.774	ug/l	92
15) Acrylonitrile	4.20	53	278458	255.223	ug/l	96
16) Acetone	3.23	43	507210	271.468	ug/l	98
17) Carbon Disulfide	3.37	76	1009852	45.009	ug/l	99
18) Methyl Acetate	3.64	43	418339	116.566	ug/l	100
19) Methyl tert-butyl Ether	4.24	73	766691	50.634	ug/l	100
20) Methylene Chloride	3.82	84	410800	54.394	ug/l	98
21) trans-1,2-Dichloroethene	4.22	96	395626	52.600	ug/l	92
22) Diisopropyl ether	5.13	45	1150454	53.924	ug/l	91
23) Vinyl Acetate	5.07	43	831399	63.396	ug/l	100
24) 1,1-Dichloroethane	4.99	63	748207	54.904	ug/l	97
25) 2-Butanone	6.08	43	468610	249.912	ug/l	99
26) 2,2-Dichloropropane	6.03	77	691746	49.256	ug/l	99
27) cis-1,2-Dichloroethene	6.04	96	441537	54.754	ug/l	92
28) Bromochloromethane	6.44	49	293012	53.965	ug/l #	96
29) Tetrahydrofuran	6.46	42	235891	265.714	ug/l	98
30) Chloroform	6.67	83	950806	56.221	ug/l	98
31) Cyclohexane	6.97	56	394379	46.170	ug/l	93
32) 1,1,1-Trichloroethane	6.88	97	908485	55.537	ug/l	99
36) 1,1-Dichloropropene	7.15	75	569680	55.677	ug/l	98
37) Ethyl Acetate	6.19	43	157830	34.335	ug/l #	95
38) Carbon Tetrachloride	7.11	117	849469	55.147	ug/l	97

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	8.88	83	395701	46.417	ug/l	96
40) Benzene	7.46	78	1208248	56.344	ug/l	98
41) Methacrylonitrile	6.45	41	312119	56.763	ug/l #	90
42) 1,2-Dichloroethane	7.59	62	663692	58.398	ug/l	97
43) Isopropyl Acetate	9.25	43	196244	33.421	ug/l #	100
44) Trichloroethene	8.55	130	481963	55.465	ug/l	99
45) 1,2-Dichloropropane	8.95	63	304551	55.875	ug/l	95
46) Dibromomethane	9.07	93	258769	57.098	ug/l	95
47) Bromodichloromethane	9.38	83	687685	59.526	ug/l	95
48) Methyl methacrylate	9.12	41	245140	64.370	ug/l	87
49) 1,4-Dioxane	9.08	88	38176	1184.123	ug/l #	84
51) 4-Methyl-2-Pentanone	10.30	43	1089835	272.910	ug/l	100
52) Toluene	10.52	92	829788	58.179	ug/l	97
53) t-1,3-Dichloropropene	10.91	75	523608	52.571	ug/l	94
54) cis-1,3-Dichloropropene	10.05	75	584337	55.823	ug/l	97
55) 1,1,2-Trichloroethane	11.20	97	284634	59.090	ug/l	95
56) Ethyl methacrylate	11.05	69	207970	39.428	ug/l	93
57) 1,3-Dichloropropane	11.42	76	431928	56.911	ug/l	95
58) 2-Chloroethyl Vinyl ether	9.86	63	744470	271.246	ug/l	100
59) 2-Hexanone	11.53	43	797099	276.982	ug/l	99
60) Dibromochloromethane	11.69	129	520298	57.216	ug/l	98
61) 1,2-Dibromoethane	11.81	107	355760	59.854	ug/l	95
64) Tetrachloroethene	11.27	164	528581	70.313	ug/l	97
65) Chlorobenzene	12.40	112	986241	54.338	ug/l	96
66) 1,1,1,2-Tetrachloroethane	12.52	131	462877	57.896	ug/l	94
67) Ethyl Benzene	12.53	91	1681493	54.535	ug/l	99
68) m/p-Xylenes	12.68	106	1191275	105.353	ug/l	93
69) o-Xylene	13.05	106	601494	57.927	ug/l	98
70) Styrene	13.08	104	919694	49.943	ug/l	99
71) Bromoform	13.24	173	335457	57.697	ug/l #	98
73) Isopropylbenzene	13.40	105	1792262	59.632	ug/l	100
74) N-amyl acetate	13.27	43	239594	30.155	ug/l	97
75) 1,1,2,2-Tetrachloroethane	13.70	83	318322	62.351	ug/l	95
76) 1,2,3-Trichloropropane	13.74	75	331153	57.573	ug/l	95
77) Bromobenzene	13.67	156	499385	58.326	ug/l	98
78) n-propylbenzene	13.78	91	1896654	53.028	ug/l	100
79) 2-Chlorotoluene	13.85	91	1177096	56.797	ug/l	99
80) 1,3,5-Trimethylbenzene	13.94	105	1374407	53.020	ug/l	99
81) trans-1,4-Dichloro-2-buten	13.47	75	81737	51.176	ug/l	97
82) 4-Chlorotoluene	13.96	91	1281022	52.523	ug/l	100
83) tert-Butylbenzene	14.19	119	1548931	52.331	ug/l	98
84) 1,2,4-Trimethylbenzene	14.24	105	1447231	53.975	ug/l	99
85) sec-Butylbenzene	14.37	105	1390354	44.584	ug/l	96
86) p-Isopropyltoluene	14.50	119	1508124	50.669	ug/l	98
87) 1,3-Dichlorobenzene	14.46	146	770108	50.790	ug/l	98
88) 1,4-Dichlorobenzene	14.54	146	756326	49.328	ug/l	93
89) n-Butylbenzene	14.80	91	1208886	47.025	ug/l	97
90) Hexachloroethane	15.01	117	414832	53.495	ug/l	97
91) 1,2-Dichlorobenzene	14.81	146	687732	52.059	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	15.38	75	54752	52.650	ug/l	94

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.94	180	400187	38.185	ug/l	94
94) Hexachlorobutadiene	16.04	225	253593	33.391	ug/l	97
95) Naphthalene	16.13	128	586549	39.598	ug/l	96
96) 1,2,3-Trichlorobenzene	16.27	180	320187	38.674	ug/l	96

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

