

Data File : VD062239.D
Acq On : 11 May 2019 16:03
Operator : FY/SY
Sample : K2718-10MSD
Misc : 4.56g/5mL/MSVOA_D/SOIL
ALS Vial : 13 Sample Multiplier: 1

Instrument :
MSVOA_D
ClientSampleId :
P026-SS006-0002-01MSD

Quant Time: May 11 22:22:10 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D050719S.M
Quant Title : SW846 8260
QLast Update : Tue May 07 14:26:29 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.03	168	557583	50.00	ug/l	0.01
34) 1,4-Difluorobenzene	8.21	114	734411	50.00	ug/l	0.02
63) Chlorobenzene-d5	12.37	117	446390	50.00	ug/l	0.01
72) 1,4-Dichlorobenzene-d4	14.52	152	129349	50.00	ug/l	0.01

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	7.44	65	226071	43.63	ug/l	0.02
Spiked Amount	50.000		Recovery	=	87.26%	
35) Dibromofluoromethane	6.91	113	281587	46.21	ug/l	0.02
Spiked Amount	50.000		Recovery	=	92.42%	
50) Toluene-d8	10.41	98	558709	38.03	ug/l	0.01
Spiked Amount	50.000		Recovery	=	76.06%	
62) 4-Bromofluorobenzene	13.56	95	146067	24.76	ug/l	0.01
Spiked Amount	50.000		Recovery	=	49.52%	

Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.57	85	301906	56.613	ug/l	99
3) Chloromethane	1.75	50	202936	52.665	ug/l	97
4) Vinyl Chloride	1.85	62	204729	54.061	ug/l	94
5) Bromomethane	2.15	94	91185	102.760	ug/l	97
6) Chloroethane	2.26	64	100792	63.428	ug/l	96
7) Trichlorofluoromethane	2.52	101	449107	60.999	ug/l	95
8) Diethyl Ether	2.86	74	63447	44.683	ug/l	85
9) 1,1,2-Trichlorotrifluoroet	3.14	101	289087	51.906	ug/l	98
10) Methyl Iodide	3.30	142	365072	43.370	ug/l #	82
11) Tert butyl alcohol	4.05	59	59439	224.725	ug/l	98
12) 1,1-Dichloroethene	3.12	96	220812	51.938	ug/l	92
13) Acrolein	3.03	56	3196	11.683	ug/l	84
14) Allyl chloride	3.62	41	317507	51.363	ug/l #	84
15) Acrylonitrile	4.19	53	138876	199.759	ug/l #	92
16) Acetone	3.21	43	188623	173.581	ug/l #	85
17) Carbon Disulfide	3.37	76	442976	36.220	ug/l	100
18) Methyl Acetate	3.63	43	361960	187.076	ug/l	93
19) Methyl tert-butyl Ether	4.23	73	477737	52.425	ug/l	97
20) Methylene Chloride	3.80	84	232908	51.333	ug/l	95
21) trans-1,2-Dichloroethene	4.21	96	197525	41.752	ug/l	94
22) Diisopropyl ether	5.11	45	742794	56.467	ug/l #	86
23) Vinyl Acetate	5.11	43	318120	45.836	ug/l #	78
24) 1,1-Dichloroethane	4.97	63	447737	56.422	ug/l	100
25) 2-Butanone	6.06	43	236355	199.409	ug/l	93
26) 2,2-Dichloropropane	6.02	77	438365	55.456	ug/l	96
27) cis-1,2-Dichloroethene	6.03	96	235722	44.514	ug/l	96
28) Bromochloromethane	6.43	49	180470	57.804	ug/l	89
29) Tetrahydrofuran	6.44	42	131348	240.507	ug/l	96
30) Chloroform	6.65	83	531479	55.572	ug/l	99
31) Cyclohexane	6.94	56	240096	44.162	ug/l	94
32) 1,1,1-Trichloroethane	6.86	97	540334	59.775	ug/l	98
36) 1,1-Dichloropropene	7.13	75	272777	45.301	ug/l	95
37) Ethyl Acetate	6.17	43	40041	15.680	ug/l #	88
38) Carbon Tetrachloride	7.10	117	493158	59.172	ug/l	97

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	8.85	83	192711	33.403	ug/l	95
40) Benzene	7.44	78	709734	52.197	ug/l	98
41) Methacrylonitrile	6.43	41	158761	50.874	ug/l #	88
42) 1,2-Dichloroethane	7.57	62	331244	57.498	ug/l	93
43) Isopropyl Acetate	9.24	43	31889	8.805	ug/l #	88
44) Trichloroethene	8.54	130	225163	43.457	ug/l	90
45) 1,2-Dichloropropane	8.93	63	186264	55.382	ug/l	98
46) Dibromomethane	9.06	93	135273	49.460	ug/l	93
47) Bromodichloromethane	9.37	83	365712	54.667	ug/l	98
48) Methyl methacrylate	9.12	41	142265	63.774	ug/l	86
49) 1,4-Dioxane	9.07	88	22447	932.615	ug/l #	88
51) 4-Methyl-2-Pentanone	10.29	43	557297	239.388	ug/l	92
52) Toluene	10.51	92	404562	45.729	ug/l	98
53) t-1,3-Dichloropropene	10.91	75	222905	38.552	ug/l	99
54) cis-1,3-Dichloropropene	10.03	75	279457	44.305	ug/l	90
55) 1,1,2-Trichloroethane	11.18	97	164229	52.465	ug/l	94
56) Ethyl methacrylate	11.04	69	45775	14.073	ug/l #	82
57) 1,3-Dichloropropane	11.40	76	216694	45.822	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.86	63	456275	256.798	ug/l	92
59) 2-Hexanone	11.53	43	339415	197.814	ug/l	93
60) Dibromochloromethane	11.68	129	261383	48.317	ug/l	95
61) 1,2-Dibromoethane	11.80	107	156444	41.109	ug/l	96
64) Tetrachloroethene	11.25	164	187610	53.747	ug/l	94
65) Chlorobenzene	12.39	112	381200	45.850	ug/l	99
66) 1,1,1,2-Tetrachloroethane	12.51	131	265887	73.481	ug/l	94
67) Ethyl Benzene	12.52	91	786225	56.485	ug/l	96
68) m/p-Xylenes	12.66	106	461979	91.226	ug/l	81
69) o-Xylene	13.04	106	255235	54.213	ug/l	82
70) Styrene	13.06	104	322778	40.471	ug/l	93
71) Bromoform	13.23	173	142562	56.629	ug/l	99
73) Isopropylbenzene	13.40	105	705431	90.981	ug/l	95
74) N-amyl acetate	13.26	43	9680	4.762	ug/l #	93
75) 1,1,2,2-Tetrachloroethane	13.69	83	145859	99.369	ug/l	98
76) 1,2,3-Trichloropropane	13.73	75	144290	93.865	ug/l	95
77) Bromobenzene	13.66	156	155516	71.650	ug/l	89
78) n-propylbenzene	13.77	91	624584	67.529	ug/l	95
79) 2-Chlorotoluene	13.84	91	401368	75.771	ug/l	93
80) 1,3,5-Trimethylbenzene	13.93	105	513686	78.676	ug/l	90
81) trans-1,4-Dichloro-2-buten	13.47	75	34757	80.092	ug/l #	82
82) 4-Chlorotoluene	13.94	91	386797	62.052	ug/l	80
83) tert-Butylbenzene	14.19	119	577761	78.728	ug/l	89
84) 1,2,4-Trimethylbenzene	14.24	105	470708	71.842	ug/l	91
85) sec-Butylbenzene	14.36	105	530800	65.969	ug/l	97
86) p-Isopropyltoluene	14.49	119	430513	59.887	ug/l	95
87) 1,3-Dichlorobenzene	14.45	146	189350	47.755	ug/l	97
88) 1,4-Dichlorobenzene	14.53	146	174451	44.778	ug/l	98
89) n-Butylbenzene	14.80	91	236132	36.595	ug/l	94
90) Hexachloroethane	15.00	117	144784	74.059	ug/l	95
91) 1,2-Dichlorobenzene	14.81	146	177517	54.363	ug/l	95
92) 1,2-Dibromo-3-Chloropropan	15.38	75	20991	87.118	ug/l	80

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_D\DATA\VD051119\
Quantitation Report (QT Reviewed)

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.95	180	50840	21.390	ug/l	94
94) Hexachlorobutadiene	16.04	225	47523	26.883	ug/l	94
95) Naphthalene	16.12	128	133021	40.088	ug/l	99
96) 1,2,3-Trichlorobenzene	16.27	180	44927	30.064	ug/l	94

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

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