

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD020119\
 Data File : VD060821.D
 Acq On : 1 Feb 2019 16:07
 Operator : VA/AP
 Sample : K1297-02MS
 Misc : 3.72g/5ml/MSVOA D/SOIL
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 A0C17-SSIMS

Manual Integrations
 APPROVED

MMDadoda
 2/4/2019 4:42:59 PM

Quant Time: Feb 02 01:45:12 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D012819S.M
 Quant Title : SW846 8260
 QLast Update : Tue Jan 29 13:53:55 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	6.76	168	344927	50.00	ug/l	-0.03
34) 1,4-Difluorobenzene	7.95	114	462591	50.00	ug/l	-0.03
63) Chlorobenzene-d5	12.14	117	347149	50.00	ug/l	-0.02
72) 1,4-Dichlorobenzene-d4	14.31	152	135243	50.00	ug/l	-0.02

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	7.18	65	325720	61.60	ug/l	-0.04
Spiked Amount	50.000		Recovery	=	123.20%	
35) Dibromofluoromethane	6.65	113	249786	56.30	ug/l	-0.03
Spiked Amount	50.000		Recovery	=	112.60%	
50) Toluene-d8	10.16	98	523906	50.57	ug/l	-0.03
Spiked Amount	50.000		Recovery	=	101.14%	
62) 4-Bromofluorobenzene	13.34	95	196420	37.72	ug/l	-0.02
Spiked Amount	50.000		Recovery	=	75.44%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	1.58	85	279459	66.637	ug/l	93
3) Chloromethane	1.74	50	145239	57.844	ug/l	100
4) Vinyl Chloride	1.83	62	163178	61.225	ug/l	95
5) Bromomethane	2.12	94	58690	69.710	ug/l	92
6) Chloroethane	2.23	64	80693	103.104	ug/l	92
7) Trichlorofluoromethane	2.47	101	386574	73.684	ug/l	96
8) Diethyl Ether	2.78	74	57976	74.994	ug/l	99
9) 1,1,2-Trichlorotrifluoroet	3.04	101	159551	60.008	ug/l	94
10) Methyl Iodide	3.19	142	178266	64.039	ug/l	91
11) Tert butyl alcohol	3.89	59	88488	350.158	ug/l	98
12) 1,1-Dichloroethene	3.02	96	116367	64.046	ug/l	92
13) Acrolein	2.94	56	17074	192.263	ug/l #	80
14) Allyl chloride	3.48	41	275533	65.164	ug/l	97
15) Acrylonitrile	4.01	53	166001	293.170	ug/l	97
16) Acetone	3.10	43	298108	390.313	ug/l	95
17) Carbon Disulfide	3.26	76	342622	53.235	ug/l	98
18) Methyl Acetate	3.50	43	306921	202.710	ug/l	95
19) Methyl tert-butyl Ether	4.06	73	557062	67.156	ug/l	96
20) Methylene Chloride	3.65	84	195480	59.050	ug/l	98
21) trans-1,2-Dichloroethene	4.03	96	155155	48.441	ug/l	95
22) Diisopropyl ether	4.85	45	668759	61.378	ug/l #	80
23) Vinyl Acetate	4.80	43	426416	67.959	ug/l	98
24) 1,1-Dichloroethane	4.74	63	421847	59.141	ug/l	98
25) 2-Butanone	5.80	43	333369	341.013	ug/l	92
26) 2,2-Dichloropropane	5.75	77	448918	59.731	ug/l	98
27) cis-1,2-Dichloroethene	5.77	96	174553	47.849	ug/l	89
28) Bromochloromethane	6.16	49	152917	54.956	ug/l	99
29) Tetrahydrofuran	6.19	42	141977	302.428	ug/l	99
30) Chloroform	6.39	83	491222	58.266	ug/l	97
31) Cyclohexane	6.69	56	182384	37.581	ug/l	97
32) 1,1,1-Trichloroethane	6.60	97	469217	57.795	ug/l	95
36) 1,1-Dichloropropene	6.87	75	280581	50.800	ug/l	97
37) Ethyl Acetate	5.91	43	103107	41.819	ug/l #	94
38) Carbon Tetrachloride	6.84	117	391585	56.539	ug/l	94

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	8.60	83	129470	27.991	ug/l	95
40) Benzene	7.19	78	568216	52.125	ug/l	97
41) Methacrylonitrile	6.18	41	97861m	62.499	ug/l	
42) 1,2-Dichloroethane	7.31	62	423093	66.810	ug/l	97
43) Isopropyl Acetate	8.98	43	118100	36.726	ug/l	90
44) Trichloroethene	8.27	130	194499	52.632	ug/l	96
45) 1,2-Dichloropropane	8.67	63	147501	49.985	ug/l	99
46) Dibromomethane	8.80	93	148294	64.735	ug/l	91
47) Bromodichloromethane	9.12	83	381771	61.743	ug/l	97
48) Methyl methacrylate	8.86	41	177069	79.850	ug/l	94
49) 1,4-Dioxane	8.83	88	22620	1171.063	ug/l	93
51) 4-Methyl-2-Pentanone	10.05	43	743794	357.170	ug/l	100
52) Toluene	10.26	92	328387	47.491	ug/l	99
53) t-1,3-Dichloropropene	10.66	75	302978	55.706	ug/l	98
54) cis-1,3-Dichloropropene	9.79	75	311965	55.934	ug/l	90
55) 1,1,2-Trichloroethane	10.95	97	142098	60.274	ug/l	99
56) Ethyl methacrylate	10.80	69	128613	45.034	ug/l	94
57) 1,3-Dichloropropane	11.17	76	229493	56.958	ug/l	97
58) 2-Chloroethyl Vinyl ether	9.60	63	461311	307.852	ug/l	94
59) 2-Hexanone	11.29	43	518380	331.063	ug/l	90
60) Dibromochloromethane	11.45	129	249652	58.903	ug/l	94
61) 1,2-Dibromoethane	11.57	107	171709	61.844	ug/l	96
64) Tetrachloroethene	11.02	164	132925	41.722	ug/l	98
65) Chlorobenzene	12.17	112	377946	47.641	ug/l	100
66) 1,1,1,2-Tetrachloroethane	12.29	131	206889	60.701	ug/l	98
67) Ethyl Benzene	12.30	91	692600	48.551	ug/l	97
68) m/p-Xylenes	12.44	106	406009	87.481	ug/l	90
69) o-Xylene	12.83	106	213606	46.502	ug/l	89
70) Styrene	12.85	104	324562	42.135	ug/l	91
71) Bromoform	13.02	173	153732	59.866	ug/l	97
73) Isopropylbenzene	13.18	105	575035	53.328	ug/l	96
74) N-amyl acetate	13.05	43	129658	39.113	ug/l #	94
75) 1,1,2,2-Tetrachloroethane	13.49	83	156106	79.509	ug/l	98
76) 1,2,3-Trichloropropane	13.52	75	195992	79.028	ug/l	99
77) Bromobenzene	13.46	156	158798	57.289	ug/l	90
78) n-propylbenzene	13.56	91	661324	48.855	ug/l	96
79) 2-Chlorotoluene	13.63	91	411717	49.866	ug/l	95
80) 1,3,5-Trimethylbenzene	14.03	105	504841	54.384	ug/l	98
81) trans-1,4-Dichloro-2-buten	13.26	75	51188	79.169	ug/l	97
82) 4-Chlorotoluene	13.73	91	469336	51.147	ug/l	93
83) tert-Butylbenzene	13.98	119	491346	50.591	ug/l	93
84) 1,2,4-Trimethylbenzene	14.03	105	504841	54.384	ug/l	98
85) sec-Butylbenzene	14.16	105	422767	38.240	ug/l	98
86) p-Isopropyltoluene	14.29	119	471903	52.575	ug/l	98
87) 1,3-Dichlorobenzene	14.25	146	205794	41.509	ug/l	95
88) 1,4-Dichlorobenzene	14.33	146	218866	45.435	ug/l	96
89) n-Butylbenzene	14.59	91	302782	32.332	ug/l	98
90) Hexachloroethane	14.80	117	105026	39.321	ug/l	81
91) 1,2-Dichlorobenzene	14.60	146	194504	47.265	ug/l	95
92) 1,2-Dibromo-3-Chloropropan	15.17	75	35079	75.204	ug/l	75

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.74	180	92908	26.074	ug/l	98
94) Hexachlorobutadiene	15.83	225	48253	18.048	ug/l	96
95) Naphthalene	15.92	128	206846	37.782	ug/l	98
96) 1,2,3-Trichlorobenzene	16.07	180	75187	24.266	ug/l	92

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

