

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD022119\
 Data File : VD060888.D
 Acq On : 21 Feb 2019 18:24
 Operator : VA/AP
 Sample : VSTDICCC050
 Misc : 5.00g/5ml/MSVOA D/SOIL
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDICCC050

Quant Time: Feb 22 07:45:33 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D022119S.M
 Quant Title : SW846 8260
 QLast Update : Fri Feb 22 07:26:00 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	6.78	168	2021185	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	7.96	114	2814699	50.00	ug/l	0.00
63) Chlorobenzene-d5	12.16	117	2389005	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	14.31	152	1220768	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	7.20	65	770770	37.51	ug/l	0.00
Spiked Amount			Recovery	=	75.02%	
35) Dibromofluoromethane	6.66	113	1119394	51.95	ug/l	0.00
Spiked Amount			Recovery	=	103.90%	
50) Toluene-d8	10.18	98	2877893	53.81	ug/l	0.00
Spiked Amount			Recovery	=	107.62%	
62) 4-Bromofluorobenzene	13.35	95	1122559	49.27	ug/l	0.00
Spiked Amount			Recovery	=	98.54%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	1.57	85	1108553	38.620	ug/l	100
3) Chloromethane	1.74	50	625173	34.386	ug/l	100
4) Vinyl Chloride	1.83	62	591000	38.847	ug/l	100
5) Bromomethane	2.13	94	183039	22.616	ug/l	100
6) Chloroethane	2.22	64	187977	25.804	ug/l	100
7) Trichlorofluoromethane	2.47	101	937755	29.190	ug/l	100
8) Diethyl Ether	2.78	74	404264	77.656	ug/l	100
9) 1,1,2-Trichlorotrifluoroet	3.05	101	1139092	64.564	ug/l	100
10) Methyl Iodide	3.20	142	1788716	85.384	ug/l	100
11) Tert butyl alcohol	3.88	59	232151	208.028	ug/l	100
12) 1,1-Dichloroethene	3.03	96	983210	77.490	ug/l	100
13) Acrolein	2.94	56	364724	339.231	ug/l	100
14) Allyl chloride	3.48	41	1612297	56.537	ug/l	100
15) Acrylonitrile	4.02	53	900894	220.614	ug/l	100
16) Acetone	3.11	43	1049008	239.475	ug/l	100
17) Carbon Disulfide	3.28	76	3623678	77.533	ug/l	100
18) Methyl Acetate	3.50	43	411374	56.067	ug/l	100
19) Methyl tert-butyl Ether	4.05	73	1921117	44.899	ug/l	100
20) Methylene Chloride	3.67	84	1123132	41.050	ug/l	100
21) trans-1,2-Dichloroethene	4.04	96	1092097	51.504	ug/l	100
22) Diisopropyl ether	4.86	45	3136690	40.995	ug/l	100
23) Vinyl Acetate	4.80	43	8601808	189.886	ug/l	100
24) 1,1-Dichloroethane	4.74	63	1676260	40.779	ug/l	100
25) 2-Butanone	5.81	43	1306229	200.869	ug/l	100
26) 2,2-Dichloropropane	5.77	77	1534256	39.761	ug/l	100
27) cis-1,2-Dichloroethene	5.78	96	1168111	53.199	ug/l	100
28) Bromochloromethane	6.18	49	751113	42.832	ug/l	100
29) Tetrahydrofuran	6.20	42	721047	223.115	ug/l	100
30) Chloroform	6.41	83	2036426	47.076	ug/l	100
31) Cyclohexane	6.70	56	1476053	42.771	ug/l	100
32) 1,1,1-Trichloroethane	6.62	97	1621214	42.732	ug/l	100
36) 1,1-Dichloropropene	6.90	75	1516857	44.210	ug/l	100
37) Ethyl Acetate	5.92	43	698842	39.701	ug/l	100
38) Carbon Tetrachloride	6.86	117	1288325	36.740	ug/l	100

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	8.62	83	1653062	49.584	ug/l	100
40) Benzene	7.20	78	3955704	50.993	ug/l	100
41) Methacrylonitrile	6.18	41	342799m	28.543	ug/l	
42) 1,2-Dichloroethane	7.32	62	957788	32.132	ug/l	100
43) Isopropyl Acetate	8.99	43	888760	39.743	ug/l	100
44) Trichloroethene	8.29	130	1150184	49.777	ug/l	100
45) 1,2-Dichloropropane	8.69	63	868426	41.933	ug/l	100
46) Dibromomethane	8.82	93	635959	47.887	ug/l	100
47) Bromodichloromethane	9.13	83	1525333	45.900	ug/l	100
48) Methyl methacrylate	8.87	41	526425	34.931	ug/l	100
49) 1,4-Dioxane	8.83	88	126326	1130.390	ug/l	100
51) 4-Methyl-2-Pentanone	10.07	43	2812809	195.243	ug/l	100
52) Toluene	10.28	92	2240845	50.183	ug/l	100
53) t-1,3-Dichloropropene	10.68	75	1390522	46.755	ug/l	100
54) cis-1,3-Dichloropropene	9.80	75	1682632	49.323	ug/l	100
55) 1,1,2-Trichloroethane	10.97	97	682574	51.463	ug/l	100
56) Ethyl methacrylate	10.81	69	789745	46.562	ug/l	100
57) 1,3-Dichloropropane	11.18	76	1170928	48.284	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.62	63	1815629	212.252	ug/l	100
59) 2-Hexanone	11.31	43	1994566	187.965	ug/l	100
60) Dibromochloromethane	11.47	129	1009514	47.237	ug/l	100
61) 1,2-Dibromoethane	11.59	107	809914	51.533	ug/l	100
64) Tetrachloroethene	11.03	164	1085359	48.358	ug/l	100
65) Chlorobenzene	12.19	112	2301075	46.378	ug/l	100
66) 1,1,1,2-Tetrachloroethane	12.29	131	975469	45.503	ug/l	100
67) Ethyl Benzene	12.31	91	4084600	43.664	ug/l	100
68) m/p-Xylenes	12.45	106	2846247	90.528	ug/l	100
69) o-Xylene	12.84	106	1376445	46.029	ug/l	100
70) Styrene	12.87	104	2280101	47.231	ug/l	100
71) Bromoform	13.02	173	728909	46.580	ug/l	100
73) Isopropylbenzene	13.20	105	3800801	42.670	ug/l	100
74) N-amyl acetate	13.06	43	1095026	33.867	ug/l	100
75) 1,1,2,2-Tetrachloroethane	13.50	83	883261	50.056	ug/l	100
76) 1,2,3-Trichloropropane	13.52	75	920324	45.782	ug/l	100
77) Bromobenzene	13.47	156	1146979	46.759	ug/l	100
78) n-propylbenzene	13.57	91	4971828	42.905	ug/l	100
79) 2-Chlorotoluene	13.63	91	2750217	42.889	ug/l	100
80) 1,3,5-Trimethylbenzene	14.04	105	3078695	41.675	ug/l	100
81) trans-1,4-Dichloro-2-buten	13.27	75	276687	52.130	ug/l	100
82) 4-Chlorotoluene	13.74	91	3015001	41.368	ug/l	100
83) tert-Butylbenzene	13.99	119	3646575	44.336	ug/l	100
84) 1,2,4-Trimethylbenzene	14.04	105	3078695	41.675	ug/l	100
85) sec-Butylbenzene	14.16	105	3914016	43.464	ug/l	100
86) p-Isopropyltoluene	14.29	119	3090793	40.917	ug/l	100
87) 1,3-Dichlorobenzene	14.25	146	2152959	50.824	ug/l	100
88) 1,4-Dichlorobenzene	14.33	146	2083518	48.856	ug/l	100
89) n-Butylbenzene	14.60	91	3233613	41.910	ug/l	100
90) Hexachloroethane	14.80	117	948923	46.647	ug/l	100
91) 1,2-Dichlorobenzene	14.61	146	1738268	48.037	ug/l	100
92) 1,2-Dibromo-3-Chloropropan	15.18	75	115788	40.056	ug/l	100

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.75	180	1207671	40.304	ug/l	100
94) Hexachlorobutadiene	15.84	225	802876	30.943	ug/l	100
95) Naphthalene	15.93	128	1638201	40.987	ug/l	100
96) 1,2,3-Trichlorobenzene	16.07	180	797887	32.947	ug/l	100

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

