

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD022119\
 Data File : VD060887.D
 Acq On : 21 Feb 2019 17:55
 Operator : VA/AP
 Sample : VSTDIC020
 Misc : 5.00g/5ml/MSVOA D/SOIL
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDIC020

Quant Time: Feb 22 07:44:04 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	1914608	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	7.96	114	2777154	50.00	ug/l	0.00
63) Chlorobenzene-d5	12.16	117	2319787	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	14.32	152	1221392	50.00	ug/l	0.01

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	7.21	65	270334	13.89	ug/l	0.00
Spiked Amount			Recovery	=	27.78%	
35) Dibromofluoromethane	6.67	113	416631	19.60	ug/l	0.01
Spiked Amount			Recovery	=	39.20%	
50) Toluene-d8	10.18	98	1089619	20.65	ug/l	0.00
Spiked Amount			Recovery	=	41.30%	
62) 4-Bromofluorobenzene	13.35	95	423943	18.86	ug/l	0.00
Spiked Amount			Recovery	=	37.72%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	1.57	85	476701	17.532	ug/l	99
3) Chloromethane	1.74	50	296945	17.242	ug/l	99
4) Vinyl Chloride	1.83	62	259994	18.041	ug/l	98
5) Bromomethane	2.12	94	46438	6.057	ug/l	98
6) Chloroethane	2.22	64	49324	7.148	ug/l	95
7) Trichlorofluoromethane	2.47	101	353034	11.601	ug/l	96
8) Diethyl Ether	2.79	74	149257	30.267	ug/l	93
9) 1,1,2-Trichlorotrifluoroet	3.04	101	475972	28.480	ug/l	96
10) Methyl Iodide	3.20	142	684546	34.496	ug/l	99
11) Tert butyl alcohol	3.89	59	94610	89.498	ug/l #	95
12) 1,1-Dichloroethene	3.03	96	405236	33.716	ug/l	98
13) Acrolein	2.94	56	154132	151.339	ug/l	98
14) Allyl chloride	3.48	41	700362	25.926	ug/l	97
15) Acrylonitrile	4.03	53	340139	87.931	ug/l	96
16) Acetone	3.12	43	403394	97.216	ug/l	99
17) Carbon Disulfide	3.27	76	1534815	34.667	ug/l	98
18) Methyl Acetate	3.50	43	172530	24.823	ug/l	97
19) Methyl tert-butyl Ether	4.06	73	709861	17.514	ug/l	98
20) Methylene Chloride	3.67	84	528829	20.404	ug/l	98
21) trans-1,2-Dichloroethene	4.05	96	418972	20.859	ug/l	96
22) Diisopropyl ether	4.86	45	1292230	17.829	ug/l	97
23) Vinyl Acetate	4.80	43	3722001	86.737	ug/l	99
24) 1,1-Dichloroethane	4.75	63	702271	18.035	ug/l	99
25) 2-Butanone	5.82	43	503069	81.667	ug/l	99
26) 2,2-Dichloropropane	5.78	77	610376	16.699	ug/l	98
27) cis-1,2-Dichloroethene	5.79	96	468670	22.533	ug/l	94
28) Bromochloromethane	6.18	49	254139	15.299	ug/l	98
29) Tetrahydrofuran	6.21	42	277582	90.674	ug/l	98
30) Chloroform	6.41	83	810741	19.785	ug/l	99
31) Cyclohexane	6.70	56	620282	18.974	ug/l	98
32) 1,1,1-Trichloroethane	6.61	97	591139	16.449	ug/l	98
36) 1,1-Dichloropropene	6.89	75	600631	17.743	ug/l	100
37) Ethyl Acetate	5.92	43	266379	15.337	ug/l	99
38) Carbon Tetrachloride	6.86	117	531658	15.367	ug/l	99

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	8.62	83	712439	21.659	ug/l	97
40) Benzene	7.21	78	1483051	19.376	ug/l	98
41) Methacrylonitrile	6.18	41	116133m	9.800	ug/l	
42) 1,2-Dichloroethane	7.32	62	383356	13.035	ug/l	99
43) Isopropyl Acetate	8.99	43	376076	17.045	ug/l	97
44) Trichloroethene	8.30	130	491835	21.573	ug/l	95
45) 1,2-Dichloropropane	8.69	63	351465	17.200	ug/l	98
46) Dibromomethane	8.82	93	241355	18.420	ug/l	98
47) Bromodichloromethane	9.13	83	602060	18.362	ug/l	99
48) Methyl methacrylate	8.88	41	220241	14.812	ug/l	96
49) 1,4-Dioxane	8.84	88	48886	443.355	ug/l #	95
51) 4-Methyl-2-Pentanone	10.06	43	1158173	81.478	ug/l	99
52) Toluene	10.28	92	946325	21.479	ug/l	97
53) t-1,3-Dichloropropene	10.68	75	527892	17.990	ug/l	99
54) cis-1,3-Dichloropropene	9.80	75	606849	18.029	ug/l	98
55) 1,1,2-Trichloroethane	10.97	97	280364	21.424	ug/l	98
56) Ethyl methacrylate	10.81	69	287786	17.197	ug/l	97
57) 1,3-Dichloropropane	11.18	76	497731	20.802	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.62	63	821162	97.294	ug/l	98
59) 2-Hexanone	11.31	43	847623	80.959	ug/l	98
60) Dibromochloromethane	11.47	129	405413	19.226	ug/l	98
61) 1,2-Dibromoethane	11.59	107	315715	20.360	ug/l	94
64) Tetrachloroethene	11.03	164	431226	19.786	ug/l	96
65) Chlorobenzene	12.19	112	938265	19.475	ug/l	98
66) 1,1,1,2-Tetrachloroethane	12.30	131	410455	19.718	ug/l	97
67) Ethyl Benzene	12.31	91	1828271	20.127	ug/l	99
68) m/p-Xylenes	12.45	106	1215721	39.821	ug/l	97
69) o-Xylene	12.85	106	572447	19.714	ug/l	96
70) Styrene	12.87	104	990245	21.124	ug/l	99
71) Bromoform	13.02	173	266953	17.568	ug/l	98
73) Isopropylbenzene	13.20	105	1672471	18.766	ug/l	99
74) N-amyl acetate	13.06	43	451683	13.963	ug/l	98
75) 1,1,2,2-Tetrachloroethane	13.50	83	336506	19.061	ug/l	98
76) 1,2,3-Trichloropropane	13.53	75	345869	17.196	ug/l	100
77) Bromobenzene	13.47	156	498398	20.308	ug/l	96
78) n-propylbenzene	13.57	91	2039962	17.595	ug/l	99
79) 2-Chlorotoluene	13.63	91	1145181	17.850	ug/l	96
80) 1,3,5-Trimethylbenzene	14.04	105	1312081	17.752	ug/l	100
81) trans-1,4-Dichloro-2-buten	13.27	75	103155	19.425	ug/l	97
82) 4-Chlorotoluene	13.74	91	1269093	17.404	ug/l	98
83) tert-Butylbenzene	13.99	119	1475956	17.936	ug/l	98
84) 1,2,4-Trimethylbenzene	14.04	105	1312081	17.752	ug/l	100
85) sec-Butylbenzene	14.17	105	1709826	18.977	ug/l	99
86) p-Isopropyltoluene	14.29	119	1428100	18.896	ug/l	99
87) 1,3-Dichlorobenzene	14.25	146	868849	20.500	ug/l	99
88) 1,4-Dichlorobenzene	14.33	146	871209	20.419	ug/l	98
89) n-Butylbenzene	14.60	91	1495309	19.371	ug/l	98
90) Hexachloroethane	14.81	117	380299	18.685	ug/l	92
91) 1,2-Dichlorobenzene	14.61	146	769843	21.264	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	15.18	75	43126	14.912	ug/l	94

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.75	180	465916	15.541	ug/l	99
94) Hexachlorobutadiene	15.84	225	304320	11.722	ug/l	100
95) Naphthalene	15.93	128	673770	16.849	ug/l	98
96) 1,2,3-Trichlorobenzene	16.08	180	312326	12.890	ug/l	99

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

