

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD011819\
 Data File : VD060761.D
 Acq On : 18 Jan 2019 14:29
 Operator : VA/AP
 Sample : VSTDIC005
 Misc : 5.00g/5ml/MSVOA D/SOIL
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDIC005

Quant Time: Jan 19 02:52:09 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D011819S.M
 Quant Title : SW846 8260
 QLast Update : Thu Jan 17 12:34:41 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	6.80	168	1486022	50.00	ug/l	0.02
34) 1,4-Difluorobenzene	7.98	114	2047870	50.00	ug/l	0.02
63) Chlorobenzene-d5	12.16	117	1685045	50.00	ug/l	0.02
72) 1,4-Dichlorobenzene-d4	14.32	152	816199	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	7.21	65	102504	9.98	ug/l	0.02
Spiked Amount			Recovery	=	19.96%	
35) Dibromofluoromethane	6.68	113	93293	6.22	ug/l	0.02
Spiked Amount			Recovery	=	12.44%	
50) Toluene-d8	10.18	98	267386	5.98	ug/l	0.02
Spiked Amount			Recovery	=	11.96%	
62) 4-Bromofluorobenzene	13.35	95	122870	7.84	ug/l	0.02
Spiked Amount			Recovery	=	15.68%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	1.59	85	86662	4.564	ug/l	95
3) Chloromethane	1.77	50	58809	3.365	ug/l	95
4) Vinyl Chloride	1.86	62	54566	3.933	ug/l	99
5) Bromomethane	2.14	94	15446	4.970	ug/l	96
6) Chloroethane	2.24	64	13267	3.204	ug/l	92
7) Trichlorofluoromethane	2.50	101	84306	5.463	ug/l	91
8) Diethyl Ether	2.80	74	15326	5.936	ug/l	67
9) 1,1,2-Trichlorotrifluoroet	3.07	101	48640	4.859	ug/l	92
10) Methyl Iodide	3.22	142	48130	4.575	ug/l	89
11) Tert butyl alcohol	3.92	59	30643	71.398	ug/l #	87
12) 1,1-Dichloroethene	3.05	96	33471	4.070	ug/l #	69
13) Acrolein	2.96	56	13443	30.737	ug/l	98
14) Allyl chloride	3.50	41	75414	4.997	ug/l	87
15) Acrylonitrile	4.04	53	91716	36.809	ug/l	98
16) Acetone	3.14	43	67529	37.654	ug/l	91
17) Carbon Disulfide	3.29	76	121609	4.630	ug/l	96
18) Methyl Acetate	3.52	43	31889	7.175	ug/l #	89
19) Methyl tert-butyl Ether	4.08	73	189998	9.105	ug/l	98
20) Methylene Chloride	3.69	84	116948	6.279	ug/l	92
21) trans-1,2-Dichloroethene	4.06	96	85111	5.053	ug/l #	81
22) Diisopropyl ether	4.90	45	276188	5.390	ug/l	90
23) Vinyl Acetate	4.83	43	752769	30.365	ug/l	98
24) 1,1-Dichloroethane	4.77	63	153471	5.694	ug/l	97
25) 2-Butanone	5.83	43	123318	35.934	ug/l	98
26) 2,2-Dichloropropane	5.78	77	147846	6.949	ug/l	88
27) cis-1,2-Dichloroethene	5.80	96	88844	5.196	ug/l	72
28) Bromochloromethane	6.21	49	58645	5.151	ug/l	95
29) Tetrahydrofuran	6.24	42	67315	34.600	ug/l #	87
30) Chloroform	6.42	83	162598	5.995	ug/l	95
31) Cyclohexane	6.72	56	147170	5.674	ug/l	93
32) 1,1,1-Trichloroethane	6.64	97	147892	6.591	ug/l #	89
36) 1,1-Dichloropropene	6.92	75	134983	6.401	ug/l	94
37) Ethyl Acetate	5.94	43	71848	8.147	ug/l #	92
38) Carbon Tetrachloride	6.88	117	131140	7.049	ug/l	98

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	8.64	83	130538	5.428	ug/l	91
40) Benzene	7.22	78	300854	5.523	ug/l	99
41) Methacrylonitrile	6.20	41	31985m	6.557	ug/l	
42) 1,2-Dichloroethane	7.34	62	121557	8.993	ug/l	94
43) Isopropyl Acetate	9.00	43	84091	7.430	ug/l #	98
44) Trichloroethene	8.30	130	84394	5.235	ug/l	92
45) 1,2-Dichloropropane	8.71	63	77192	5.779	ug/l	97
46) Dibromomethane	8.83	93	48718	6.390	ug/l	86
47) Bromodichloromethane	9.14	83	118768	6.577	ug/l	98
48) Methyl methacrylate	8.89	41	58444	8.502	ug/l #	88
49) 1,4-Dioxane	8.87	88	9938	155.492	ug/l #	72
51) 4-Methyl-2-Pentanone	10.08	43	282968	40.809	ug/l	94
52) Toluene	10.28	92	192202	5.629	ug/l	98
53) t-1,3-Dichloropropene	10.70	75	118282	7.851	ug/l	99
54) cis-1,3-Dichloropropene	9.81	75	134074	6.799	ug/l	99
55) 1,1,2-Trichloroethane	10.97	97	59467	6.473	ug/l	94
56) Ethyl methacrylate	10.82	69	75373	8.832	ug/l	97
57) 1,3-Dichloropropane	11.19	76	95317	6.545	ug/l	98
58) 2-Chloroethyl Vinyl ether	9.62	63	189610	37.709	ug/l	95
59) 2-Hexanone	11.32	43	205692	42.380	ug/l	87
60) Dibromochloromethane	11.47	129	80462	6.875	ug/l	95
61) 1,2-Dibromoethane	11.59	107	57510	6.035	ug/l	98
64) Tetrachloroethene	11.04	164	77944	5.103	ug/l	97
65) Chlorobenzene	12.19	112	209376	5.624	ug/l	100
66) 1,1,1,2-Tetrachloroethane	12.30	131	78162	6.530	ug/l	97
67) Ethyl Benzene	12.31	91	367043	5.757	ug/l	95
68) m/p-Xylenes	12.46	106	265459	11.393	ug/l	83
69) o-Xylene	12.84	106	130260	5.893	ug/l	87
70) Styrene	12.87	104	214664	6.029	ug/l #	92
71) Bromoform	13.03	173	54838	6.940	ug/l	95
73) Isopropylbenzene	13.20	105	349531	6.015	ug/l	97
74) N-amyl acetate	13.06	43	108886	7.939	ug/l	97
75) 1,1,2,2-Tetrachloroethane	13.50	83	72648	7.713	ug/l	92
76) 1,2,3-Trichloropropane	13.53	75	83184	8.952	ug/l	94
77) Bromobenzene	13.47	156	97671	6.366	ug/l	98
78) n-propylbenzene	13.57	91	467911	6.298	ug/l	99
79) 2-Chlorotoluene	13.64	91	265305	6.667	ug/l	95
80) 1,3,5-Trimethylbenzene	14.03	105	314435	7.007	ug/l	89
81) trans-1,4-Dichloro-2-buten	13.27	75	21628	8.423	ug/l #	82
82) 4-Chlorotoluene	13.75	91	309267	6.857	ug/l	99
83) tert-Butylbenzene	13.99	119	344308	6.742	ug/l	95
84) 1,2,4-Trimethylbenzene	14.03	105	314435	6.803	ug/l	95
85) sec-Butylbenzene	14.17	105	361237	5.800	ug/l	97
86) p-Isopropyltoluene	14.29	119	322431	6.414	ug/l	92
87) 1,3-Dichlorobenzene	14.26	146	167106	5.933	ug/l	93
88) 1,4-Dichlorobenzene	14.34	146	158830	5.723	ug/l	94
89) n-Butylbenzene	14.60	91	317157	6.173	ug/l	97
90) Hexachloroethane	14.81	117	81116	6.568	ug/l	86
91) 1,2-Dichlorobenzene	14.61	146	139460	6.173	ug/l	97
92) 1,2-Dibromo-3-Chloropropan	15.19	75	11406	10.307	ug/l	92

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.75	180	118137	6.571	ug/l	96
94) Hexachlorobutadiene	15.85	225	79788	6.004	ug/l	99
95) Naphthalene	15.92	128	191023	8.940	ug/l	98
96) 1,2,3-Trichlorobenzene	16.07	180	103872	7.391	ug/l	98

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

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