

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD030119\
 Data File : VD060909.D
 Acq On : 1 Mar 2019 15:12
 Operator : VA/AP
 Sample : VSTDIC005
 Misc : 5.00g/5ml/MSVOA D/SOIL
 ALS Vial : 3 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDIC005

Manual Integrations
 APPROVED

MMDadoda
 3/6/2019 5:33:00 AM

Quant Time: Mar 02 01:23:29 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D030119S.M
 Quant Title : SW846 8260
 QLast Update : Fri Mar 01 16:47:52 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.03	168	735308	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.20	114	1262764	50.00	ug/l	0.00
63) Chlorobenzene-d5	12.36	117	1051468	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	14.51	152	450312	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	7.45	65	28256	5.17	ug/l	0.00
Spiked Amount	50.000		Recovery	=	10.34%	
35) Dibromofluoromethane	6.91	113	49548	5.25	ug/l	0.00
Spiked Amount	50.000		Recovery	=	10.50%	
50) Toluene-d8	10.40	98	121539	4.76	ug/l	0.00
Spiked Amount	50.000		Recovery	=	9.52%	
62) 4-Bromofluorobenzene	13.55	95	47316	4.76	ug/l	0.00
Spiked Amount	50.000		Recovery	=	9.52%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	1.58	85	37804	4.715	ug/l	100
3) Chloromethane	1.76	50	32347	6.562	ug/l	98
4) Vinyl Chloride	1.84	62	28275	6.172	ug/l	95
5) Bromomethane	2.15	94	6631	7.736	ug/l #	92
6) Chloroethane	2.26	64	7257	5.838	ug/l	99
7) Trichlorofluoromethane	2.52	101	35585	4.792	ug/l	92
8) Diethyl Ether	2.87	74	14003	10.965	ug/l	99
9) 1,1,2-Trichlorotrifluoroet	3.14	101	45318	9.924	ug/l	92
10) Methyl Iodide	3.30	142	28805	2.209	ug/l	90
11) Tert butyl alcohol	4.04	59	9816	23.653	ug/l #	79
12) 1,1-Dichloroethene	3.12	96	38579	11.308	ug/l	98
13) Acrolein	3.03	56	12192	52.988	ug/l	90
14) Allyl chloride	3.62	41	66909	6.007	ug/l	94
15) Acrylonitrile	4.18	53	39538	30.511	ug/l	96
16) Acetone	3.21	43	47227	28.482	ug/l #	86
17) Carbon Disulfide	3.37	76	137045	5.437	ug/l	99
18) Methyl Acetate	3.64	43	22295	6.481	ug/l	99
19) Methyl tert-butyl Ether	4.23	73	67236	4.701	ug/l #	89
20) Methylene Chloride	3.80	84	76271	8.188	ug/l	89
21) trans-1,2-Dichloroethene	4.21	96	43941	5.812	ug/l	97
22) Diisopropyl ether	5.10	45	130827	5.988	ug/l #	91
23) Vinyl Acetate	5.03	43	325065	26.292	ug/l	98
24) 1,1-Dichloroethane	4.97	63	70797	5.932	ug/l	96
25) 2-Butanone	6.06	43	52229	23.866	ug/l	98
26) 2,2-Dichloropropane	6.01	77	55913	4.935	ug/l	91
27) cis-1,2-Dichloroethene	6.03	96	49577	5.972	ug/l	91
28) Bromochloromethane	6.42	49	31839	6.781	ug/l	89
29) Tetrahydrofuran	6.44	42	29138	26.719	ug/l	93
30) Chloroform	6.66	83	73240	5.187	ug/l	98
31) Cyclohexane	6.93	56	63963	6.461	ug/l #	83
32) 1,1,1-Trichloroethane	6.86	97	60344	5.490	ug/l	96
36) 1,1-Dichloropropene	7.13	75	60149	4.553	ug/l	95
37) Ethyl Acetate	6.17	43	29512	4.751	ug/l	98
38) Carbon Tetrachloride	7.10	117	57621	4.700	ug/l	92

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)

39) Methylcyclohexane	8.85	83	61097	4.350	ug/l	85
40) Benzene	7.45	78	146767	4.470	ug/l	99
41) Methacrylonitrile	6.42	41	20274m	6.042	ug/l	
42) 1,2-Dichloroethane	7.56	62	38951	4.362	ug/l	100
43) Isopropyl Acetate	9.23	43	35493	4.034	ug/l #	90
44) Trichloroethene	8.53	130	44314	4.139	ug/l	99
45) 1,2-Dichloropropane	8.93	63	34883	4.548	ug/l	93
46) Dibromomethane	9.05	93	22121	4.014	ug/l	87
47) Bromodichloromethane	9.37	83	48757	3.731	ug/l	93
48) Methyl methacrylate	9.11	41	21157	4.177	ug/l	88
49) 1,4-Dioxane	9.07	88	3876	73.046	ug/l #	63
51) 4-Methyl-2-Pentanone	10.29	43	116212	21.413	ug/l	99
52) Toluene	10.50	92	92466	4.862	ug/l	99
53) t-1,3-Dichloropropene	10.90	75	46870	3.885	ug/l	99
54) cis-1,3-Dichloropropene	10.02	75	58102	4.180	ug/l	97
55) 1,1,2-Trichloroethane	11.18	97	30012	4.601	ug/l	91
56) Ethyl methacrylate	11.03	69	27350	3.684	ug/l	96
57) 1,3-Dichloropropane	11.40	76	40673	3.786	ug/l	97
58) 2-Chloroethyl Vinyl ether	9.85	63	100899	28.370	ug/l	96
59) 2-Hexanone	11.52	43	81773	19.625	ug/l	98
60) Dibromochloromethane	11.68	129	38687	4.127	ug/l	96
61) 1,2-Dibromoethane	11.80	107	32161	4.355	ug/l	96
64) Tetrachloroethene	11.25	164	36358	3.870	ug/l	94
65) Chlorobenzene	12.39	112	110000	5.162	ug/l	97
66) 1,1,1,2-Tetrachloroethane	12.51	131	39854	4.699	ug/l	98
67) Ethyl Benzene	12.52	91	173543	4.784	ug/l	91
68) m/p-Xylenes	12.65	106	148061	11.549	ug/l	82
69) o-Xylene	13.04	106	66951	5.422	ug/l	86
70) Styrene	13.07	104	108325	5.220	ug/l	95
71) Bromoform	13.22	173	23489	3.483	ug/l	99
73) Isopropylbenzene	13.39	105	166233	6.309	ug/l	99
74) N-amyl acetate	13.26	43	48616	5.338	ug/l	95
75) 1,1,2,2-Tetrachloroethane	13.70	83	33152	5.109	ug/l	96
76) 1,2,3-Trichloropropane	13.73	75	33750	5.037	ug/l	98
77) Bromobenzene	13.67	156	43620	5.144	ug/l	83
78) n-propylbenzene	13.77	91	214747	6.108	ug/l	97
79) 2-Chlorotoluene	13.83	91	113935	5.666	ug/l	95
80) 1,3,5-Trimethylbenzene	14.23	105	136845	6.319	ug/l	98
81) trans-1,4-Dichloro-2-buten	13.47	75	9099	4.262	ug/l	88
82) 4-Chlorotoluene	13.94	91	133643	6.058	ug/l	92
83) tert-Butylbenzene	14.18	119	149309	5.971	ug/l	96
84) 1,2,4-Trimethylbenzene	14.23	105	136845	6.319	ug/l	98
85) sec-Butylbenzene	14.36	105	174532	6.252	ug/l	91
86) p-Isopropyltoluene	14.48	119	136491	5.822	ug/l	95
87) 1,3-Dichlorobenzene	14.45	146	74897	4.829	ug/l	95
88) 1,4-Dichlorobenzene	14.53	146	76010	5.074	ug/l	96
89) n-Butylbenzene	14.79	91	149336	6.148	ug/l	95
90) Hexachloroethane	15.01	117	40389	6.071	ug/l	90
91) 1,2-Dichlorobenzene	14.80	146	71698	5.552	ug/l	90
92) 1,2-Dibromo-3-Chloropropan	15.37	75	3433	3.777	ug/l	59

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.94	180	39383	4.309	ug/l	96
94) Hexachlorobutadiene	16.03	225	23795	4.339	ug/l	95
95) Naphthalene	16.12	128	55523	4.030	ug/l	98
96) 1,2,3-Trichlorobenzene	16.27	180	21539	3.065	ug/l	99

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

