

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_D\DATA\VD032719\
 Data File : VD061352.D
 Acq On : 27 Mar 2019 13:35
 Operator : VA/AP
 Sample : VSTDIC075
 Misc : 5.00g/5ml/MSVOA_D/SOIL
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDIC075

Manual Integrations
 APPROVED

MMDadoda
 4/1/2019 3:01:39 PM

Quant Time: Mar 28 09:21:26 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D032719S.M
 Quant Title : SW846 8260
 QLast Update : Thu Mar 28 09:14:25 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.02	168	743351	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.19	114	1327164	50.00	ug/l	0.00
63) Chlorobenzene-d5	12.34	117	935725	50.00	ug/l	-0.01
72) 1,4-Dichlorobenzene-d4	14.51	152	436397	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	7.42	65	452354	71.24	ug/l	-0.01
Spiked Amount	50.000		Recovery	=	142.48%	
35) Dibromofluoromethane	6.90	113	708704	69.88	ug/l	0.00
Spiked Amount	50.000		Recovery	=	139.76%	
50) Toluene-d8	10.38	98	1716191	70.55	ug/l	0.00
Spiked Amount	50.000		Recovery	=	141.10%	
62) 4-Bromofluorobenzene	13.54	95	636136	68.20	ug/l	0.00
Spiked Amount	50.000		Recovery	=	136.40%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.58	85	580891	73.172	ug/l	99
3) Chloromethane	1.76	50	466407	72.038	ug/l	100
4) Vinyl Chloride	1.85	62	448220	75.399	ug/l	97
5) Bromomethane	2.15	94	80589	68.365	ug/l	99
6) Chloroethane	2.26	64	136671	78.398	ug/l	99
7) Trichlorofluoromethane	2.53	101	573365	66.328	ug/l	100
8) Diethyl Ether	2.86	74	199590	71.712	ug/l	93
9) 1,1,2-Trichlorotrifluoroet	3.15	101	668900	71.976	ug/l	99
10) Methyl Iodide	3.30	142	1067785	73.805	ug/l	99
11) Tert butyl alcohol	4.04	59	156842	396.608	ug/l	99
12) 1,1-Dichloroethene	3.12	96	591272	74.105	ug/l	96
13) Acrolein	3.03	56	111746	383.070	ug/l	95
14) Allyl chloride	3.61	41	823178	73.969	ug/l	99
15) Acrylonitrile	4.17	53	519948	378.817	ug/l	96
16) Acetone	3.21	43	686446	420.521	ug/l	100
17) Carbon Disulfide	3.37	76	1822158	70.289	ug/l	98
18) Methyl Acetate	3.62	43	254936	74.279	ug/l	100
19) Methyl tert-butyl Ether	4.21	73	1072394	77.645	ug/l	99
20) Methylene Chloride	3.80	84	665129	73.643	ug/l	97
21) trans-1,2-Dichloroethene	4.20	96	624860	72.538	ug/l	99
22) Diisopropyl ether	5.10	45	1732702	73.576	ug/l	99
23) Vinyl Acetate	5.03	43	4689903	366.621	ug/l	100
24) 1,1-Dichloroethane	4.96	63	999374	72.209	ug/l	99
25) 2-Butanone	6.04	43	820193	399.435	ug/l	100
26) 2,2-Dichloropropane	6.00	77	834877	75.884	ug/l	97
27) cis-1,2-Dichloroethene	6.01	96	719072	76.188	ug/l	96
28) Bromochloromethane	6.42	49	409390	73.278	ug/l	# 93
29) Tetrahydrofuran	6.43	42	390216	392.073	ug/l	99
30) Chloroform	6.64	83	1071269	74.911	ug/l	99
31) Cyclohexane	6.94	56	790811	72.306	ug/l	99
32) 1,1,1-Trichloroethane	6.85	97	907953	71.967	ug/l	98
36) 1,1-Dichloropropene	7.13	75	735340	63.484	ug/l	99
37) Ethyl Acetate	6.15	43	354905	71.643	ug/l	97
38) Carbon Tetrachloride	7.09	117	914219m	69.318	ug/l	

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	8.84	83	837056	69.386	ug/l	99
40) Benzene	7.43	78	1942256	66.812	ug/l	96
41) Methacrylonitrile	6.42	41	436067	75.285	ug/l #	95
42) 1,2-Dichloroethane	7.55	62	628527	72.280	ug/l	98
43) Isopropyl Acetate	9.21	43	563199	78.138	ug/l #	98
44) Trichloroethene	8.51	130	783984	72.467	ug/l	95
45) 1,2-Dichloropropane	8.92	63	526088	71.368	ug/l	100
46) Dibromomethane	9.04	93	370806	74.736	ug/l	96
47) Bromodichloromethane	9.35	83	818837	73.531	ug/l	97
48) Methyl methacrylate	9.09	41	291182	73.201	ug/l	96
49) 1,4-Dioxane	9.06	88	69343	1580.450	ug/l	96
51) 4-Methyl-2-Pentanone	10.28	43	1560882	355.949	ug/l	96
52) Toluene	10.48	92	1250517	70.511	ug/l	99
53) t-1,3-Dichloropropene	10.89	75	733373	72.485	ug/l	100
54) cis-1,3-Dichloropropene	10.01	75	858731	69.704	ug/l	97
55) 1,1,2-Trichloroethane	11.16	97	455545	73.447	ug/l	99
56) Ethyl methacrylate	11.01	69	484933	72.779	ug/l	96
57) 1,3-Dichloropropane	11.39	76	639841	70.186	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.83	63	1015192	312.861	ug/l	99
59) 2-Hexanone	11.51	43	1144173	360.124	ug/l	97
60) Dibromochloromethane	11.66	129	705855	73.821	ug/l	98
61) 1,2-Dibromoethane	11.78	107	520113	72.418	ug/l	97
64) Tetrachloroethene	11.23	164	553218	75.332	ug/l	97
65) Chlorobenzene	12.38	112	1471452	76.946	ug/l	99
66) 1,1,1,2-Tetrachloroethane	12.49	131	550481	74.346	ug/l	98
67) Ethyl Benzene	12.51	91	1990570	68.196	ug/l	99
68) m/p-Xylenes	12.65	106	1615593	146.117	ug/l	95
69) o-Xylene	13.03	106	851673	79.375	ug/l	99
70) Styrene	13.05	104	1466054	78.381	ug/l	95
71) Bromoform	13.22	173	388807	82.837	ug/l	98
73) Isopropylbenzene	13.39	105	1903121	62.659	ug/l	100
74) N-amyl acetate	13.25	43	600005	70.915	ug/l	100
75) 1,1,2,2-Tetrachloroethane	13.68	83	458741	71.598	ug/l	97
76) 1,2,3-Trichloropropane	13.72	75	469586	74.492	ug/l	99
77) Bromobenzene	13.65	156	644385	71.564	ug/l	91
78) n-propylbenzene	13.76	91	2477471	66.654	ug/l	98
79) 2-Chlorotoluene	13.83	91	1333643	66.081	ug/l	97
80) 1,3,5-Trimethylbenzene	13.92	105	1570995	62.591	ug/l	97
81) trans-1,4-Dichloro-2-buten	13.46	75	155798	81.058	ug/l	99
82) 4-Chlorotoluene	13.93	91	1395392	63.587	ug/l	88
83) tert-Butylbenzene	14.17	119	2136587	72.548	ug/l	97
84) 1,2,4-Trimethylbenzene	14.22	105	1895483	74.295	ug/l	98
85) sec-Butylbenzene	14.35	105	2037502	65.123	ug/l	99
86) p-Isopropyltoluene	14.48	119	1719114	64.980	ug/l	100
87) 1,3-Dichlorobenzene	14.44	146	1066648	69.954	ug/l	98
88) 1,4-Dichlorobenzene	14.53	146	1008802	67.843	ug/l	99
89) n-Butylbenzene	14.78	91	1437533	59.201	ug/l	99
90) Hexachloroethane	14.99	117	554091	74.135	ug/l	75
91) 1,2-Dichlorobenzene	14.79	146	753791	60.270	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	15.37	75	59042	78.570	ug/l	85

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.93	180	381903	67.032	ug/l	95
94) Hexachlorobutadiene	16.03	225	276498	62.106	ug/l	99
95) Naphthalene	16.11	128	616377	70.976	ug/l	100
96) 1,2,3-Trichlorobenzene	16.26	180	145026	57.846	ug/l	94

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

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