

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD041519\
 Data File : VD061800.D
 Acq On : 15 Apr 2019 14:37
 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
 4/16/2019 3:12:57 PM

Quant Time: Apr 16 08:48:05 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D041519S.M
 Quant Title : SW846 8260
 QLast Update : Tue Apr 16 08:14:32 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.09	168	599782	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.26	114	947840	50.00	ug/l	0.00
63) Chlorobenzene-d5	12.40	117	766911	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	14.53	152	339043	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	7.50	65	409080	80.93	ug/l	0.00
Spiked Amount	50.000		Recovery	=	161.86%	
35) Dibromofluoromethane	6.97	113	601814	84.04	ug/l	0.00
Spiked Amount	50.000		Recovery	=	168.08%	
50) Toluene-d8	10.45	98	1371661	80.84	ug/l	0.00
Spiked Amount	50.000		Recovery	=	161.68%	
62) 4-Bromofluorobenzene	13.58	95	568673	82.69	ug/l	0.00
Spiked Amount	50.000		Recovery	=	165.38%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.59	85	484096	82.256	ug/l	98
3) Chloromethane	1.77	50	358989	76.546	ug/l	97
4) Vinyl Chloride	1.86	62	361110	77.573	ug/l	97
5) Bromomethane	2.17	94	73880	61.937	ug/l	98
6) Chloroethane	2.29	64	123290	77.630	ug/l	99
7) Trichlorofluoromethane	2.55	101	571650	75.873	ug/l	99
8) Diethyl Ether	2.91	74	152318	76.982	ug/l	100
9) 1,1,2-Trichlorotrifluoroet	3.18	101	502257	74.663	ug/l	99
10) Methyl Iodide	3.34	142	823477	90.779	ug/l	98
11) Tert butyl alcohol	4.10	59	112559	377.769	ug/l	100
12) 1,1-Dichloroethene	3.16	96	426576	75.387	ug/l	99
13) Acrolein	3.07	56	88424	306.324	ug/l	92
14) Allyl chloride	3.66	41	608853	78.925	ug/l	99
15) Acrylonitrile	4.24	53	342500	366.143	ug/l	96
16) Acetone	3.25	43	487886	391.735	ug/l	100
17) Carbon Disulfide	3.41	76	1368990	74.858	ug/l	99
18) Methyl Acetate	3.68	43	177763	71.173	ug/l	97
19) Methyl tert-butyl Ether	4.28	73	820570	77.894	ug/l	98
20) Methylene Chloride	3.85	84	451686	60.101	ug/l	96
21) trans-1,2-Dichloroethene	4.27	96	487751	78.486	ug/l	99
22) Diisopropyl ether	5.17	45	1224976	74.413	ug/l	98
23) Vinyl Acetate	5.11	43	3485481	396.692	ug/l	100
24) 1,1-Dichloroethane	5.03	63	766672	76.733	ug/l	100
25) 2-Butanone	6.12	43	557804	393.340	ug/l	98
26) 2,2-Dichloropropane	6.07	77	646844	74.823	ug/l	99
27) cis-1,2-Dichloroethene	6.09	96	504940	74.864	ug/l	99
28) Bromochloromethane	6.48	49	274830	72.343	ug/l	84
29) Tetrahydrofuran	6.50	42	246317	356.556	ug/l	98
30) Chloroform	6.71	83	811953	72.801	ug/l	98
31) Cyclohexane	7.00	56	584271	76.329	ug/l	99
32) 1,1,1-Trichloroethane	6.92	97	764570	77.336	ug/l	96
36) 1,1-Dichloropropene	7.20	75	590199	76.185	ug/l	100
37) Ethyl Acetate	6.23	43	267166	80.594	ug/l	95
38) Carbon Tetrachloride	7.16	117	733734m	72.765	ug/l	

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	8.91	83	638348	79.366	ug/l	97
40) Benzene	7.51	78	1482203	79.699	ug/l	96
41) Methacrylonitrile	6.49	41	294253	75.100	ug/l	99
42) 1,2-Dichloroethane	7.62	62	496846	76.719	ug/l	99
43) Isopropyl Acetate	9.28	43	372713	79.897	ug/l #	100
44) Trichloroethene	8.58	130	574372	80.238	ug/l	99
45) 1,2-Dichloropropane	8.98	63	388384	80.186	ug/l	95
46) Dibromomethane	9.10	93	275089	79.708	ug/l	97
47) Bromodichloromethane	9.42	83	645140	81.027	ug/l	100
48) Methyl methacrylate	9.16	41	214149	78.096	ug/l	95
49) 1,4-Dioxane	9.12	88	48440	1616.197	ug/l	98
51) 4-Methyl-2-Pentanone	10.34	43	1075328	376.941	ug/l	100
52) Toluene	10.55	92	968387	81.266	ug/l	95
53) t-1,3-Dichloropropene	10.95	75	579118	80.721	ug/l	100
54) cis-1,3-Dichloropropene	10.07	75	635027	75.406	ug/l	98
55) 1,1,2-Trichloroethane	11.23	97	298704	74.391	ug/l	98
56) Ethyl methacrylate	11.08	69	364716	82.759	ug/l	97
57) 1,3-Dichloropropane	11.44	76	502517	83.246	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.90	63	677994	323.448	ug/l	99
59) 2-Hexanone	11.56	43	810564	382.553	ug/l	99
60) Dibromochloromethane	11.72	129	541180	82.371	ug/l	98
61) 1,2-Dibromoethane	11.84	107	396694	80.347	ug/l	99
64) Tetrachloroethene	11.30	164	463276	80.549	ug/l	99
65) Chlorobenzene	12.43	112	1085861	76.027	ug/l	99
66) 1,1,1,2-Tetrachloroethane	12.54	131	461561	77.115	ug/l	97
67) Ethyl Benzene	12.55	91	1674228	73.198	ug/l	99
68) m/p-Xylenes	12.69	106	1345863	156.649	ug/l	98
69) o-Xylene	13.08	106	631839	78.242	ug/l	96
70) Styrene	13.10	104	1064024	76.567	ug/l	98
71) Bromoform	13.25	173	278319	78.339	ug/l	99
73) Isopropylbenzene	13.43	105	1715856	78.036	ug/l	95
74) N-amyl acetate	13.28	43	483474	81.769	ug/l	98
75) 1,1,2,2-Tetrachloroethane	13.72	83	349721	80.464	ug/l	99
76) 1,2,3-Trichloropropane	13.76	75	365976	82.195	ug/l	97
77) Bromobenzene	13.70	156	531029	85.019	ug/l	96
78) n-propylbenzene	13.80	91	2107561	82.962	ug/l	99
79) 2-Chlorotoluene	13.86	91	1234338	83.668	ug/l	97
80) 1,3,5-Trimethylbenzene	13.95	105	1413995	81.047	ug/l	98
81) trans-1,4-Dichloro-2-buten	13.49	75	116516	91.862	ug/l	95
82) 4-Chlorotoluene	13.97	91	1367899	80.529	ug/l	99
83) tert-Butylbenzene	14.21	119	1523128	74.351	ug/l	98
84) 1,2,4-Trimethylbenzene	14.26	105	1337501	76.266	ug/l	99
85) sec-Butylbenzene	14.39	105	1585661	74.875	ug/l	100
86) p-Isopropyltoluene	14.51	119	1403285	70.821	ug/l	99
87) 1,3-Dichlorobenzene	14.48	146	822216	75.405	ug/l	98
88) 1,4-Dichlorobenzene	14.55	146	784255	72.759	ug/l	99
89) n-Butylbenzene	14.82	91	1412320	80.522	ug/l	99
90) Hexachloroethane	15.03	117	462646	85.665	ug/l	99
91) 1,2-Dichlorobenzene	14.83	146	725393	79.420	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	15.40	75	49253	81.840	ug/l	84

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.96	180	406864	81.105	ug/l	96
94) Hexachlorobutadiene	16.06	225	288924	79.475	ug/l	99
95) Naphthalene	16.14	128	665200	86.513	ug/l	100
96) 1,2,3-Trichlorobenzene	16.29	180	211955	74.143	ug/l	98

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

