

Data Path : Z:\VOASRV\HPCHEM1\MSVOA Y\DATA\VY092619\
 Data File : VY000142.D
 Acq On : 26 Sep 2019 10:27
 Operator : SY/MD
 Sample : VSTDIC005
 Misc : 5.00g/5.00ml/MSVOA Y/SOIL
 ALS Vial : 3 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 VSTDIC005

Manual Integrations
 APPROVED

MMDadoda
 10/2/2019 9:12:43 AM

Quant Time: Sep 26 14:06:19 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_Y\METHODS\82Y092619S.M
 Quant Title : SW846 8260
 QLast Update : Thu Sep 26 14:00:10 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.80	168	202141	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.69	114	339939	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.49	117	294275	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.42	152	139382	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.14	65	8552	4.83	ug/l	0.00
Spiked Amount	50.000		Recovery	=	9.66%	
35) Dibromofluoromethane	7.72	113	7776	4.37	ug/l	0.00
Spiked Amount	50.000		Recovery	=	8.74%	
50) Toluene-d8	10.18	98	37136	4.93	ug/l	0.00
Spiked Amount	50.000		Recovery	=	9.86%	
62) 4-Bromofluorobenzene	12.47	95	13660	4.97	ug/l	0.00
Spiked Amount	50.000		Recovery	=	9.94%	

Target Compounds

					Qvalue
2) Dichlorodifluoromethane	1.90	85	9247	5.755	ug/l 98
3) Chloromethane	2.11	50	15022	6.407	ug/l 97
4) Vinyl Chloride	2.24	62	13118	5.207	ug/l 99
5) Bromomethane	2.63	94	9725	5.725	ug/l 81
6) Chloroethane	2.79	64	8498	5.434	ug/l # 76
7) Trichlorofluoromethane	3.12	101	16036	5.281	ug/l 93
8) Diethyl Ether	3.53	74	6418	5.301	ug/l 98
9) 1,1,2-Trichlorotrifluoroet	3.89	101	10349	5.221	ug/l 95
10) Methyl Iodide	4.09	142	12970	4.244	ug/l 97
11) Tert butyl alcohol	4.97	59	5354	30.272	ug/l # 89
12) 1,1-Dichloroethene	3.86	96	10349	4.979	ug/l # 86
13) Acrolein	3.74	56	5977	27.213	ug/l 94
14) Allyl chloride	4.47	41	13187	5.070	ug/l 93
15) Acrylonitrile	5.17	53	14749	26.789	ug/l 95
16) Acetone	3.96	43	13345	30.766	ug/l 94
17) Carbon Disulfide	4.19	76	33672	5.222	ug/l 99
18) Methyl Acetate	4.48	43	7681	5.983	ug/l 94
19) Methyl tert-butyl Ether	5.21	73	24810	5.042	ug/l 99
20) Methylene Chloride	4.71	84	15954	6.368	ug/l 89
21) trans-1,2-Dichloroethene	5.21	96	12167	5.254	ug/l 84
22) Diisopropyl ether	6.13	45	27575	5.045	ug/l 92
23) Vinyl Acetate	6.07	43	84003	24.521	ug/l 99
24) 1,1-Dichloroethane	6.02	63	17070	5.159	ug/l # 95
25) 2-Butanone	6.99	43	18687	27.496	ug/l # 82
26) 2,2-Dichloropropane	6.98	77	17084	5.678	ug/l 92
27) cis-1,2-Dichloroethene	6.99	96	13104	5.091	ug/l 91
28) Bromochloromethane	7.33	49	6480	5.140	ug/l 97
29) Tetrahydrofuran	7.36	42	10888	25.988	ug/l # 76
30) Chloroform	7.51	83	18838	5.439	ug/l 88
31) Cyclohexane	7.79	56	20323	5.941	ug/l # 85
32) 1,1,1-Trichloroethane	7.70	97	15483	5.098	ug/l 97
36) 1,1-Dichloropropene	7.93	75	15729	5.568	ug/l 95
37) Ethyl Acetate	7.08	43	8549	5.729	ug/l 99
38) Carbon Tetrachloride	7.89	117	13808	5.007	ug/l # 85

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

39) Methylcyclohexane	9.18	83	21001	5.241	ug/l	95
40) Benzene	8.16	78	46132	5.170	ug/l	97
41) Methacrylonitrile	7.31	41	3530	4.363	ug/l #	100
42) 1,2-Dichloroethane	8.24	62	11248	5.180	ug/l	96
43) Isopropyl Acetate	8.28	43	14145	5.131	ug/l	98
44) Trichloroethene	8.94	130	14378	5.042	ug/l	83
45) 1,2-Dichloropropane	9.22	63	9899	5.029	ug/l	89
46) Dibromomethane	9.31	93	6380	5.311	ug/l	94
47) Bromodichloromethane	9.50	83	13386	4.943	ug/l	99
48) Methyl methacrylate	9.30	41	6612	5.356	ug/l	93
49) 1,4-Dioxane	9.30	88	2039	109.855	ug/l #	89
51) 4-Methyl-2-Pentanone	10.07	43	36178	25.285	ug/l	96
52) Toluene	10.24	92	30570	5.290	ug/l	93
53) t-1,3-Dichloropropene	10.46	75	13721	4.824	ug/l	91
54) cis-1,3-Dichloropropene	9.92	75	16760	4.972	ug/l	94
55) 1,1,2-Trichloroethane	10.64	97	9787	5.479	ug/l	94
56) Ethyl methacrylate	10.51	69	11703	5.036	ug/l	94
57) 1,3-Dichloropropane	10.78	76	15011	5.229	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.78	63	28987	26.559	ug/l	99
59) 2-Hexanone	10.83	43	24851	24.438	ug/l	97
60) Dibromochloromethane	10.99	129	10157	5.030	ug/l	95
61) 1,2-Dibromoethane	11.08	107	8522	4.999	ug/l	100
64) Tetrachloroethene	10.72	164	14659	5.029	ug/l	96
65) Chlorobenzene	11.52	112	32423	5.294	ug/l	98
66) 1,1,1,2-Tetrachloroethane	11.59	131	10482	5.065	ug/l	98
67) Ethyl Benzene	11.59	91	54915	5.246	ug/l	96
68) m/p-Xylenes	11.70	106	44140	10.430	ug/l	97
69) o-Xylene	12.02	106	21399	5.302	ug/l	96
70) Styrene	12.04	104	34022	4.981	ug/l	98
71) Bromoform	12.20	173	5740	4.720	ug/l #	100
73) Isopropylbenzene	12.33	105	52532	5.224	ug/l	100
74) N-amyl acetate	12.14	43	12081	4.963	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.58	83	9633	6.154	ug/l	96
76) 1,2,3-Trichloropropane	12.63	75	7537m	5.490	ug/l	
77) Bromobenzene	12.60	156	13188	5.308	ug/l	98
78) n-propylbenzene	12.67	91	63646	5.309	ug/l	95
79) 2-Chlorotoluene	12.75	91	34189	5.242	ug/l	100
80) 1,3,5-Trimethylbenzene	12.81	105	43809	5.237	ug/l	99
81) trans-1,4-Dichloro-2-buten	12.38	75	3750	5.327	ug/l	98
82) 4-Chlorotoluene	12.85	91	35392	5.208	ug/l	99
83) tert-Butylbenzene	13.07	119	35477	4.925	ug/l	97
84) 1,2,4-Trimethylbenzene	13.12	105	45598	5.394	ug/l	98
85) sec-Butylbenzene	13.25	105	54915	5.310	ug/l	99
86) p-Isopropyltoluene	13.36	119	48473	5.263	ug/l	97
87) 1,3-Dichlorobenzene	13.36	146	26167	5.497	ug/l	99
88) 1,4-Dichlorobenzene	13.44	146	24936	5.263	ug/l	94
89) n-Butylbenzene	13.69	91	44246	5.055	ug/l	96
90) Hexachloroethane	13.95	117	9061	5.207	ug/l	92
91) 1,2-Dichlorobenzene	13.74	146	23397	5.380	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.34	75	1792	5.802	ug/l	86

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.00	180	15579	5.163	ug/l	96
94) Hexachlorobutadiene	15.11	225	7374	5.009	ug/l	95
95) Naphthalene	15.23	128	36311	5.374	ug/l	99
96) 1,2,3-Trichlorobenzene	15.42	180	13358	4.936	ug/l	94

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

