

Data Path : Z:\VOASRV\HPCHEM1\MSVOA Y\DATA\VY091719\
 Data File : VY000051.D
 Acq On : 17 Sep 2019 10:12
 Operator : SY/MD
 Sample : VSTDIC005
 Misc : 5.00g/5.00ml/MSVOA Y/SOIL
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 VSTDIC005

Manual Integrations
 APPROVED

MMDadoda
 9/19/2019 1:29:45 AM

Quant Time: Sep 17 12:22:09 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_Y\METHODS\82Y091719S.M
 Quant Title : SW846 8260
 QLast Update : Tue Sep 17 12:06:19 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.79	168	126630	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.69	114	243268	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.49	117	208616	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.42	152	89223	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.15	65	6915	5.09	ug/l	0.00
Spiked Amount	50.000		Recovery	=	10.18%	
35) Dibromofluoromethane	7.72	113	6947	4.96	ug/l	0.00
Spiked Amount	50.000		Recovery	=	9.92%	
50) Toluene-d8	10.18	98	27947	4.99	ug/l	0.00
Spiked Amount	50.000		Recovery	=	9.98%	
62) 4-Bromofluorobenzene	12.48	95	10393	5.12	ug/l	0.00
Spiked Amount	50.000		Recovery	=	10.24%	
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.90	85	6014	6.382	ug/l	77
3) Chloromethane	2.11	50	11136	7.339	ug/l	97
4) Vinyl Chloride	2.25	62	8418	5.963	ug/l	90
5) Bromomethane	2.64	94	5960	6.555	ug/l	84
6) Chloroethane	2.79	64	5207	5.518	ug/l	93
7) Trichlorofluoromethane	3.11	101	11595	6.219	ug/l	93
8) Diethyl Ether	3.53	74	4447	5.771	ug/l	97
9) 1,1,2-Trichlorotrifluoroet	3.90	101	6818	5.358	ug/l #	84
10) Methyl Iodide	4.10	142	6693	4.837	ug/l #	44
11) Tert butyl alcohol	4.96	59	4799m	27.420	ug/l	
12) 1,1-Dichloroethene	3.86	96	6536	5.536	ug/l #	77
13) Acrolein	3.73	56	3247	26.238	ug/l	91
14) Allyl chloride	4.48	41	9908	5.402	ug/l	96
15) Acrylonitrile	5.17	53	12735	26.238	ug/l	99
16) Acetone	3.95	43	8568	22.826	ug/l #	86
17) Carbon Disulfide	4.19	76	15869	6.676	ug/l	99
18) Methyl Acetate	4.48	43	6948	6.453	ug/l	94
19) Methyl tert-butyl Ether	5.22	73	18583	5.134	ug/l #	90
20) Methylene Chloride	4.71	84	9702	6.320	ug/l #	86
21) trans-1,2-Dichloroethene	5.21	96	8264	6.289	ug/l #	80
22) Diisopropyl ether	6.12	45	20754	5.101	ug/l #	92
23) Vinyl Acetate	6.06	43	68115	24.304	ug/l	95
24) 1,1-Dichloroethane	6.01	63	13253	5.484	ug/l	99
25) 2-Butanone	6.99	43	16798	27.182	ug/l #	85
26) 2,2-Dichloropropane	6.98	77	14691	6.587	ug/l	89
27) cis-1,2-Dichloroethene	6.99	96	9091	5.506	ug/l	89
28) Bromochloromethane	7.32	49	5833	5.362	ug/l #	89
29) Tetrahydrofuran	7.35	42	9432	25.579	ug/l	94
30) Chloroform	7.51	83	13136	5.259	ug/l	92
31) Cyclohexane	7.78	56	13962	7.016	ug/l #	79
32) 1,1,1-Trichloroethane	7.71	97	11255	5.538	ug/l	95
36) 1,1-Dichloropropene	7.92	75	10197	5.657	ug/l	97
37) Ethyl Acetate	7.08	43	5960	4.884	ug/l #	88
38) Carbon Tetrachloride	7.90	117	8674	5.091	ug/l #	93

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.18	83	12757	5.706	ug/l	98
40) Benzene	8.15	78	31612	5.350	ug/l	99
41) Methacrylonitrile	7.32	41	3827m	5.436	ug/l	
42) 1,2-Dichloroethane	8.24	62	8144	5.371	ug/l	99
43) Isopropyl Acetate	8.27	43	11882	5.014	ug/l #	91
44) Trichloroethene	8.94	130	8687	5.897	ug/l	84
45) 1,2-Dichloropropane	9.21	63	8021	5.276	ug/l	89
46) Dibromomethane	9.31	93	4368	5.170	ug/l	98
47) Bromodichloromethane	9.50	83	10059	4.989	ug/l	88
48) Methyl methacrylate	9.29	41	5279	5.035	ug/l	99
49) 1,4-Dioxane	9.29	88	1629	91.998	ug/l #	86
51) 4-Methyl-2-Pentanone	10.07	43	31511	23.852	ug/l	100
52) Toluene	10.24	92	19919	5.373	ug/l	99
53) t-1,3-Dichloropropene	10.47	75	10539	4.965	ug/l	95
54) cis-1,3-Dichloropropene	9.93	75	12434	5.021	ug/l	97
55) 1,1,2-Trichloroethane	10.65	97	6534	4.853	ug/l #	93
56) Ethyl methacrylate	10.51	69	9473	5.022	ug/l	97
57) 1,3-Dichloropropane	10.79	76	11443	5.331	ug/l	98
58) 2-Chloroethyl Vinyl ether	9.78	63	24707	24.506	ug/l	100
59) 2-Hexanone	10.83	43	21850	22.854	ug/l	95
60) Dibromochloromethane	10.98	129	6771	4.811	ug/l	94
61) 1,2-Dibromoethane	11.09	107	5890	4.963	ug/l	99
64) Tetrachloroethene	10.72	164	7262	5.608	ug/l	93
65) Chlorobenzene	11.51	112	21018	5.216	ug/l	90
66) 1,1,1,2-Tetrachloroethane	11.59	131	6728	4.804	ug/l	94
67) Ethyl Benzene	11.59	91	37695	5.148	ug/l	98
68) m/p-Xylenes	11.70	106	27952	10.101	ug/l	92
69) o-Xylene	12.03	106	13532	4.988	ug/l	99
70) Styrene	12.04	104	22784	4.829	ug/l	99
71) Bromoform	12.20	173	3816	4.543	ug/l #	99
73) Isopropylbenzene	12.33	105	37600	5.407	ug/l	99
74) N-amyl acetate	12.14	43	10064	4.933	ug/l	98
75) 1,1,2,2-Tetrachloroethane	12.59	83	8559	5.166	ug/l	97
76) 1,2,3-Trichloropropane	12.63	75	6523m	5.264	ug/l	
77) Bromobenzene	12.60	156	7712	5.279	ug/l	98
78) n-propylbenzene	12.67	91	43912	5.166	ug/l	98
79) 2-Chlorotoluene	12.75	91	25645	5.398	ug/l	95
80) 1,3,5-Trimethylbenzene	12.81	105	30566	5.282	ug/l	100
81) trans-1,4-Dichloro-2-buten	12.37	75	3539	5.580	ug/l #	91
82) 4-Chlorotoluene	12.85	91	26073	5.241	ug/l	98
83) tert-Butylbenzene	13.07	119	25379	5.098	ug/l	98
84) 1,2,4-Trimethylbenzene	13.12	105	29634	5.174	ug/l	97
85) sec-Butylbenzene	13.25	105	37158	5.059	ug/l	99
86) p-Isopropyltoluene	13.37	119	32303	5.170	ug/l	99
87) 1,3-Dichlorobenzene	13.36	146	14678	4.974	ug/l	95
88) 1,4-Dichlorobenzene	13.44	146	14706	4.964	ug/l	88
89) n-Butylbenzene	13.69	91	32580	5.142	ug/l	99
90) Hexachloroethane	13.96	117	6187	4.968	ug/l	96
91) 1,2-Dichlorobenzene	13.74	146	13931	5.087	ug/l	96
92) 1,2-Dibromo-3-Chloropropan	14.36	75	1500	4.675	ug/l	94

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.01	180	8143	4.657	ug/l	97
94) Hexachlorobutadiene	15.11	225	4333	5.398	ug/l	95
95) Naphthalene	15.23	128	22811	4.783	ug/l	98
96) 1,2,3-Trichlorobenzene	15.42	180	7941	5.061	ug/l	98

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

