

Data Path : Z:\VOASRV\HPCHEM1\MSVOA Y\DATA\VY091719\
 Data File : VY000056.D
 Acq On : 17 Sep 2019 12:53
 Operator : SY/MD
 Sample : VSTDIC150
 Misc : 5.00g/5.00ml/MSVOA Y/SOIL
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 VSTDIC150

Manual Integrations
 APPROVED

MMDadoda
 9/19/2019 1:29:38 AM

Quant Time: Sep 17 13:15:09 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_Y\METHODS\82Y091719S.M
 Quant Title : SW846 8260
 QLast Update : Tue Sep 17 12:22:21 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.79	168	119896	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.69	114	227824	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.49	117	199162	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.42	152	85573	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.15	65	196322	133.64	ug/l	0.00
Spiked Amount	50.000		Recovery	=	267.28%	
35) Dibromofluoromethane	7.72	113	190509	130.54	ug/l	0.00
Spiked Amount	50.000		Recovery	=	261.08%	
50) Toluene-d8	10.18	98	783068	139.45	ug/l	0.00
Spiked Amount	50.000		Recovery	=	278.90%	
62) 4-Bromofluorobenzene	12.48	95	263693	124.41	ug/l	0.00
Spiked Amount	50.000		Recovery	=	248.82%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.90	85	115989	112.153	ug/l	99
3) Chloromethane	2.11	50	145927	91.009	ug/l	98
4) Vinyl Chloride	2.25	62	177178	127.258	ug/l	97
5) Bromomethane	2.61	94	95515	99.818	ug/l	95
6) Chloroethane	2.77	64	121699	127.171	ug/l	94
7) Trichlorofluoromethane	3.11	101	244507	122.042	ug/l	91
8) Diethyl Ether	3.53	74	108987	133.544	ug/l	95
9) 1,1,2-Trichlorotrifluoroet	3.89	101	170930	128.294	ug/l	97
10) Methyl Iodide	4.09	142	207245	162.057	ug/l	100
11) Tert butyl alcohol	4.98	59	104617	566.959	ug/l	100
12) 1,1-Dichloroethene	3.86	96	157693	126.401	ug/l	91
13) Acrolein	3.73	56	47651	436.462	ug/l	93
14) Allyl chloride	4.47	41	242644	127.450	ug/l	99
15) Acrylonitrile	5.17	53	330209	671.996	ug/l	97
16) Acetone	3.95	43	217020	641.627	ug/l	90
17) Carbon Disulfide	4.18	76	289284	116.756	ug/l #	95
18) Methyl Acetate	4.48	43	141420	125.308	ug/l	97
19) Methyl tert-butyl Ether	5.22	73	515568	137.049	ug/l	100
20) Methylene Chloride	4.71	84	193325	119.738	ug/l	99
21) trans-1,2-Dichloroethene	5.21	96	172732	128.187	ug/l	97
22) Diisopropyl ether	6.12	45	573773	139.318	ug/l	98
23) Vinyl Acetate	6.06	43	1984694	727.962	ug/l	96
24) 1,1-Dichloroethane	6.01	63	330634	134.765	ug/l	98
25) 2-Butanone	6.99	43	389636	649.290	ug/l	97
26) 2,2-Dichloropropane	6.98	77	289154	119.156	ug/l	99
27) cis-1,2-Dichloroethene	6.99	96	227289	133.613	ug/l	98
28) Bromochloromethane	7.34	49	165594	144.713	ug/l	97
29) Tetrahydrofuran	7.35	42	247402	688.065	ug/l	97
30) Chloroform	7.51	83	342587	131.954	ug/l	98
31) Cyclohexane	7.78	56	236852	110.600	ug/l	95
32) 1,1,1-Trichloroethane	7.70	97	282799	136.913	ug/l	98
36) 1,1-Dichloropropene	7.92	75	227367	126.980	ug/l	98
37) Ethyl Acetate	7.07	43	161745	141.544	ug/l	96
38) Carbon Tetrachloride	7.90	117	230266	140.238	ug/l	98

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.18	83	283045	130.138	ug/l	97
40) Benzene	8.16	78	778908	134.975	ug/l	96
41) Methacrylonitrile	7.32	41	102936m	164.081	ug/l	
42) 1,2-Dichloroethane	8.24	62	213117	143.372	ug/l	99
43) Isopropyl Acetate	8.27	43	319052	143.001	ug/l	99
44) Trichloroethene	8.94	130	198086	135.148	ug/l	99
45) 1,2-Dichloropropane	9.21	63	202488	135.511	ug/l	97
46) Dibromomethane	9.31	93	112282	138.625	ug/l	99
47) Bromodichloromethane	9.49	83	275346	137.091	ug/l	97
48) Methyl methacrylate	9.29	41	140719	141.483	ug/l	100
49) 1,4-Dioxane	9.30	88	42598	2760.576	ug/l #	94
51) 4-Methyl-2-Pentanone	10.07	43	853960	697.537	ug/l	98
52) Toluene	10.24	92	499790	137.967	ug/l	99
53) t-1,3-Dichloropropene	10.46	75	294874	141.523	ug/l	97
54) cis-1,3-Dichloropropene	9.93	75	338535	141.709	ug/l	97
55) 1,1,2-Trichloroethane	10.65	97	173816	137.799	ug/l	96
56) Ethyl methacrylate	10.51	69	253441	143.811	ug/l	99
57) 1,3-Dichloropropane	10.79	76	295391	138.017	ug/l	98
58) 2-Chloroethyl Vinyl ether	9.79	63	709579	733.828	ug/l	100
59) 2-Hexanone	10.84	43	607420	687.229	ug/l	98
60) Dibromochloromethane	10.98	129	190745	143.819	ug/l	98
61) 1,2-Dibromoethane	11.09	107	161812	137.375	ug/l	99
64) Tetrachloroethene	10.72	164	163840	126.834	ug/l	99
65) Chlorobenzene	11.51	112	547941	136.908	ug/l	100
66) 1,1,1,2-Tetrachloroethane	11.59	131	190513	141.631	ug/l	98
67) Ethyl Benzene	11.59	91	971583	134.111	ug/l	98
68) m/p-Xylenes	11.70	106	753404	271.427	ug/l	100
69) o-Xylene	12.02	106	364140	138.156	ug/l	100
70) Styrene	12.04	104	645828	139.327	ug/l	100
71) Bromoform	12.21	173	111834	148.000	ug/l #	98
73) Isopropylbenzene	12.33	105	966956	138.670	ug/l	99
74) N-amyl acetate	12.14	43	288037	147.479	ug/l	98
75) 1,1,2,2-Tetrachloroethane	12.58	83	216783	128.232	ug/l	100
76) 1,2,3-Trichloropropane	12.63	75	162706m	128.847	ug/l	
77) Bromobenzene	12.60	156	202719	138.783	ug/l	98
78) n-propylbenzene	12.66	91	1179074	136.714	ug/l	100
79) 2-Chlorotoluene	12.76	91	645510	135.548	ug/l	100
80) 1,3,5-Trimethylbenzene	12.81	105	799784	137.709	ug/l	100
81) trans-1,4-Dichloro-2-buten	12.38	75	86307	140.874	ug/l	96
82) 4-Chlorotoluene	12.85	91	681238	139.322	ug/l	99
83) tert-Butylbenzene	13.07	119	681145	136.555	ug/l	99
84) 1,2,4-Trimethylbenzene	13.12	105	784709	136.626	ug/l	100
85) sec-Butylbenzene	13.25	105	1002476	136.176	ug/l	99
86) p-Isopropyltoluene	13.37	119	844808	135.506	ug/l	99
87) 1,3-Dichlorobenzene	13.37	146	396527	138.037	ug/l	100
88) 1,4-Dichlorobenzene	13.44	146	401685	136.133	ug/l	99
89) n-Butylbenzene	13.69	91	876483	137.269	ug/l	99
90) Hexachloroethane	13.96	117	170822	139.548	ug/l	99
91) 1,2-Dichlorobenzene	13.74	146	369731	133.967	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.35	75	38907	121.217	ug/l	95

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93) 1,2,4-Trichlorobenzene	15.00	180	238526	147.231	ug/l	97
94) Hexachlorobutadiene	15.10	225	107930	136.956	ug/l	99
95) Naphthalene	15.23	128	667784	143.109	ug/l	98
96) 1,2,3-Trichlorobenzene	15.42	180	225197	146.375	ug/l	98

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

