

Data Path : Z:\VOASRV\HPCHEM1\MSVOA Y\DATA\VY122319\
 Data File : VY001017.D
 Acq On : 23 Dec 2019 10:23
 Operator : SY/MD
 Sample : VSTDIC010
 Misc : 5.00G/5ML/MSVOA Y/SOIL
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 VSTDIC010

Manual Integrations
 APPROVED

apatel
 12/24/2019 11:05:23 AM

Quant Time: Dec 23 11:36:18 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_Y\METHODS\82Y122319S.M
 Quant Title : SW846 8260
 QLast Update : Mon Dec 23 11:25:57 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.80	168	310880	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.69	114	548655	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.49	117	486746	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.42	152	221013	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	8.15	65	30943	10.04	ug/l	0.00
Spiked Amount						
			Recovery	=	20.08%	
35) Dibromofluoromethane	7.73	113	34164	10.66	ug/l	0.00
Spiked Amount						
			Recovery	=	21.32%	
50) Toluene-d8	10.18	98	114944	9.12	ug/l	0.00
Spiked Amount						
			Recovery	=	18.24%	
62) 4-Bromofluorobenzene	12.47	95	47152	10.14	ug/l	0.00
Spiked Amount						
			Recovery	=	20.28%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	1.90	85	30899	10.668	ug/l	90
3) Chloromethane	2.12	50	40902	10.754	ug/l	99
4) Vinyl Chloride	2.25	62	41502	11.195	ug/l	93
5) Bromomethane	2.65	94	26444	11.740	ug/l	96
6) Chloroethane	2.79	64	24066	10.503	ug/l	97
7) Trichlorofluoromethane	3.13	101	58202	10.868	ug/l	90
8) Diethyl Ether	3.53	74	23195	10.908	ug/l	98
9) 1,1,2-Trichlorotrifluoroet	3.90	101	38006	10.958	ug/l	97
10) Methyl Iodide	4.10	142	48128	10.344	ug/l	100
11) Tert butyl alcohol	4.96	59	20006	59.319	ug/l	98
12) 1,1-Dichloroethene	3.88	96	37602	10.794	ug/l	98
13) Acrolein	3.73	56	21628	57.211	ug/l	97
14) Allyl chloride	4.48	41	59939	10.711	ug/l	98
15) Acrylonitrile	5.18	53	57515	53.643	ug/l	97
16) Acetone	3.96	43	40162	56.122	ug/l	99
17) Carbon Disulfide	4.19	76	122491	10.801	ug/l	98
18) Methyl Acetate	4.48	43	28660	10.139	ug/l	95
19) Methyl tert-butyl Ether	5.23	73	95623	10.526	ug/l	94
20) Methylene Chloride	4.72	84	47139	11.403	ug/l	98
21) trans-1,2-Dichloroethene	5.23	96	41699	10.777	ug/l	97
22) Diisopropyl ether	6.13	45	122710	10.819	ug/l #	97
23) Vinyl Acetate	6.07	43	389129	54.727	ug/l	99
24) 1,1-Dichloroethane	6.03	63	70499	10.723	ug/l	98
25) 2-Butanone	7.00	43	69500	53.969	ug/l	97
26) 2,2-Dichloropropane	7.00	77	58485	10.738	ug/l	99
27) cis-1,2-Dichloroethene	7.00	96	46927	11.032	ug/l	98
28) Bromochloromethane	7.34	49	25323	9.979	ug/l	97
29) Tetrahydrofuran	7.36	42	50603	56.040	ug/l	96
30) Chloroform	7.52	83	65409	10.499	ug/l	97
31) Cyclohexane	7.79	56	77601	11.169	ug/l #	94
32) 1,1,1-Trichloroethane	7.71	97	57052	10.725	ug/l	98
36) 1,1-Dichloropropene	7.93	75	58234	10.933	ug/l	99
37) Ethyl Acetate	7.08	43	30825	10.328	ug/l	98
38) Carbon Tetrachloride	7.91	117	49149	10.517	ug/l	94

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.18	83	75415	10.673	ug/l	95
40) Benzene	8.17	78	169917	10.683	ug/l	98
41) Methacrylonitrile	7.32	41	11529m	4.169	ug/l	
42) 1,2-Dichloroethane	8.25	62	39736	10.229	ug/l	99
43) Isopropyl Acetate	8.28	43	58567	10.629	ug/l	97
44) Trichloroethene	8.94	130	44535	10.703	ug/l	94
45) 1,2-Dichloropropane	9.22	63	43568	10.912	ug/l	96
46) Dibromomethane	9.30	93	22212	10.801	ug/l	100
47) Bromodichloromethane	9.50	83	50586	10.527	ug/l	99
48) Methyl methacrylate	9.30	41	23700	10.012	ug/l	94
49) 1,4-Dioxane	9.30	88	6240	210.534	ug/l	97
51) 4-Methyl-2-Pentanone	10.07	43	156712	54.243	ug/l	99
52) Toluene	10.24	92	105479	10.715	ug/l	100
53) t-1,3-Dichloropropene	10.47	75	52664	10.111	ug/l	98
54) cis-1,3-Dichloropropene	9.92	75	65329	10.455	ug/l	98
55) 1,1,2-Trichloroethane	10.64	97	33291	10.834	ug/l	96
56) Ethyl methacrylate	10.51	69	46164	10.487	ug/l	98
57) 1,3-Dichloropropane	10.79	76	56963	10.597	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.78	63	90258	52.845	ug/l	100
59) 2-Hexanone	10.83	43	107027	52.689	ug/l	99
60) Dibromochloromethane	10.99	129	34262	10.424	ug/l	99
61) 1,2-Dibromoethane	11.08	107	31094	10.687	ug/l	99
64) Tetrachloroethene	10.72	164	47910	11.337	ug/l	95
65) Chlorobenzene	11.51	112	108591	10.660	ug/l	97
66) 1,1,1,2-Tetrachloroethane	11.59	131	34938	10.374	ug/l	98
67) Ethyl Benzene	11.59	91	195223	10.553	ug/l	100
68) m/p-Xylenes	11.70	106	149755	21.447	ug/l	100
69) o-Xylene	12.03	106	69503	10.556	ug/l	100
70) Styrene	12.04	104	116150	10.381	ug/l	99
71) Bromoform	12.20	173	18705	9.973	ug/l #	97
73) Isopropylbenzene	12.33	105	187049	10.688	ug/l	100
74) N-amyl acetate	12.14	43	49014	10.552	ug/l	96
75) 1,1,2,2-Tetrachloroethane	12.58	83	36765	10.740	ug/l	97
76) 1,2,3-Trichloropropane	12.63	75	30506m	8.128	ug/l	
77) Bromobenzene	12.60	156	42239	10.865	ug/l	99
78) n-propylbenzene	12.67	91	228353	10.732	ug/l	100
79) 2-Chlorotoluene	12.75	91	123752	10.509	ug/l	100
80) 1,3,5-Trimethylbenzene	12.81	105	152076	10.622	ug/l	99
81) trans-1,4-Dichloro-2-buten	12.38	75	12497	9.668	ug/l	91
82) 4-Chlorotoluene	12.85	91	130677	10.729	ug/l	99
83) tert-Butylbenzene	13.07	119	128581	10.624	ug/l	99
84) 1,2,4-Trimethylbenzene	13.11	105	157120	10.939	ug/l	96
85) sec-Butylbenzene	13.25	105	189912	10.722	ug/l	98
86) p-Isopropyltoluene	13.36	119	164350	10.706	ug/l	99
87) 1,3-Dichlorobenzene	13.36	146	81151	10.863	ug/l	99
88) 1,4-Dichlorobenzene	13.44	146	81088	10.790	ug/l	96
89) n-Butylbenzene	13.69	91	167613	10.812	ug/l	99
90) Hexachloroethane	13.95	117	29949	10.411	ug/l	99
91) 1,2-Dichlorobenzene	13.74	146	76422	11.126	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.34	75	6035	10.519	ug/l	97

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.00	180	49230	10.635	ug/l	97
94) Hexachlorobutadiene	15.11	225	24999	11.330	ug/l	98
95) Naphthalene	15.23	128	114898	10.609	ug/l	99
96) 1,2,3-Trichlorobenzene	15.42	180	43958	10.683	ug/l	95

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

