

Data Path : Z:\VOASRV\HPCHEM1\MSVOA Y\DATA\VY101119\
 Data File : VY000266.D
 Acq On : 11 Oct 2019 13:08
 Operator : SY/MD
 Sample : VSTDIC010
 Misc : 5.00G/5ML/MSVOA Y/SOIL
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 VSTDIC010

Manual Integrations
 APPROVED

MMDadoda
 10/15/2019 12:33:37 PM

Quant Time: Oct 14 08:09:36 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_Y\METHODS\82Y101119S.M
 Quant Title : SW846 8260
 QLast Update : Mon Oct 14 07:12:07 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.80	168	264649	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.70	114	422970	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.49	117	368510	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.42	152	180686	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.16	65	28688	10.28	ug/l	0.00
Spiked Amount	50.000		Recovery	=	20.56%	
35) Dibromofluoromethane	7.74	113	28194	11.05	ug/l	0.00
Spiked Amount	50.000		Recovery	=	22.10%	
50) Toluene-d8	10.19	98	97625	9.95	ug/l	0.00
Spiked Amount	50.000		Recovery	=	19.90%	
62) 4-Bromofluorobenzene	12.48	95	40819	10.95	ug/l	0.00
Spiked Amount	50.000		Recovery	=	21.90%	

Target Compounds

					Qvalue
2) Dichlorodifluoromethane	1.90	85	28013	11.872	ug/l 89
3) Chloromethane	2.12	50	37269	11.524	ug/l 98
4) Vinyl Chloride	2.26	62	37907	11.615	ug/l 99
5) Bromomethane	2.65	94	26854m	10.973	ug/l
6) Chloroethane	2.80	64	23156	10.996	ug/l 89
7) Trichlorofluoromethane	3.13	101	48882	10.949	ug/l 97
8) Diethyl Ether	3.54	74	15921	10.095	ug/l 89
9) 1,1,2-Trichlorotrifluoroet	3.91	101	29914	11.049	ug/l 98
10) Methyl Iodide	4.10	142	32516	9.200	ug/l 97
11) Tert butyl alcohol	4.98	59	15977	54.665	ug/l 96
12) 1,1-Dichloroethene	3.88	96	30985	11.592	ug/l 92
13) Acrolein	3.74	56	17768	51.876	ug/l 91
14) Allyl chloride	4.49	41	46928	10.595	ug/l 99
15) Acrylonitrile	5.18	53	45461	51.499	ug/l 94
16) Acetone	3.96	43	44238	48.933	ug/l 100
17) Carbon Disulfide	4.21	76	91944	10.925	ug/l 99
18) Methyl Acetate	4.49	43	23083	10.276	ug/l # 76
19) Methyl tert-butyl Ether	5.24	73	78173	10.506	ug/l # 91
20) Methylene Chloride	4.73	84	43982	11.864	ug/l 95
21) trans-1,2-Dichloroethene	5.23	96	33055	10.779	ug/l 96
22) Diisopropyl ether	6.13	45	96196	10.268	ug/l 95
23) Vinyl Acetate	6.07	43	312718	51.166	ug/l 98
24) 1,1-Dichloroethane	6.04	63	55768	10.906	ug/l 97
25) 2-Butanone	7.00	43	63691	50.012	ug/l 92
26) 2,2-Dichloropropane	7.00	77	51966	11.028	ug/l 97
27) cis-1,2-Dichloroethene	7.00	96	36157	10.896	ug/l 100
28) Bromochloromethane	7.35	49	19792	9.016	ug/l 88
29) Tetrahydrofuran	7.36	42	39497	51.175	ug/l 97
30) Chloroform	7.52	83	54616	10.606	ug/l 99
31) Cyclohexane	7.80	56	59627	11.164	ug/l 92
32) 1,1,1-Trichloroethane	7.71	97	47199	10.309	ug/l 96
36) 1,1-Dichloropropene	7.93	75	45635	11.020	ug/l 97
37) Ethyl Acetate	7.09	43	26066	10.630	ug/l 98
38) Carbon Tetrachloride	7.91	117	44459	11.088	ug/l 97

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.19	83	59723	11.019	ug/l	92
40) Benzene	8.18	78	131996	11.030	ug/l	94
41) Methacrylonitrile	7.33	41	13820m	12.832	ug/l	
42) 1,2-Dichloroethane	8.25	62	37950	11.101	ug/l	100
43) Isopropyl Acetate	8.29	43	47941	10.283	ug/l	96
44) Trichloroethene	8.95	130	37026	11.027	ug/l	88
45) 1,2-Dichloropropane	9.22	63	31709	10.797	ug/l	99
46) Dibromomethane	9.32	93	17739	10.805	ug/l	100
47) Bromodichloromethane	9.50	83	42172	10.900	ug/l #	89
48) Methyl methacrylate	9.30	41	20286	9.928	ug/l	99
49) 1,4-Dioxane	9.30	88	4778	194.101	ug/l	96
51) 4-Methyl-2-Pentanone	10.08	43	121289	50.438	ug/l	97
52) Toluene	10.25	92	82173	10.815	ug/l	99
53) t-1,3-Dichloropropene	10.47	75	43759	10.553	ug/l	99
54) cis-1,3-Dichloropropene	9.94	75	49814	10.578	ug/l	98
55) 1,1,2-Trichloroethane	10.65	97	26743	11.203	ug/l	92
56) Ethyl methacrylate	10.52	69	33711	9.908	ug/l	99
57) 1,3-Dichloropropane	10.80	76	44374	10.824	ug/l	98
58) 2-Chloroethyl Vinyl ether	9.79	63	66745	49.182	ug/l	99
59) 2-Hexanone	10.84	43	84560	50.097	ug/l	100
60) Dibromochloromethane	10.99	129	27513	10.399	ug/l	99
61) 1,2-Dibromoethane	11.10	107	24167	10.544	ug/l	99
64) Tetrachloroethene	10.72	164	40610	11.576	ug/l	96
65) Chlorobenzene	11.52	112	87126	11.203	ug/l	92
66) 1,1,1,2-Tetrachloroethane	11.60	131	30993	11.345	ug/l	98
67) Ethyl Benzene	11.60	91	157472	10.923	ug/l	98
68) m/p-Xylenes	11.70	106	122492	22.225	ug/l	98
69) o-Xylene	12.03	106	58217	11.073	ug/l	93
70) Styrene	12.05	104	94468	10.654	ug/l	99
71) Bromoform	12.21	173	16179	10.302	ug/l #	93
73) Isopropylbenzene	12.33	105	153213	10.875	ug/l	99
74) N-amyl acetate	12.14	43	30829	8.913	ug/l	96
75) 1,1,2,2-Tetrachloroethane	12.58	83	27215	10.288	ug/l	100
76) 1,2,3-Trichloropropane	12.64	75	20775m	5.752	ug/l	
77) Bromobenzene	12.61	156	34628	11.045	ug/l	92
78) n-propylbenzene	12.67	91	179524	10.613	ug/l	99
79) 2-Chlorotoluene	12.76	91	99477	10.649	ug/l	100
80) 1,3,5-Trimethylbenzene	12.81	105	127654	10.806	ug/l	98
81) trans-1,4-Dichloro-2-buten	12.38	75	10633	10.471	ug/l	98
82) 4-Chlorotoluene	12.86	91	105481	10.682	ug/l	98
83) tert-Butylbenzene	13.08	119	110658	11.061	ug/l	99
84) 1,2,4-Trimethylbenzene	13.12	105	126102	10.815	ug/l	99
85) sec-Butylbenzene	13.25	105	158021	10.919	ug/l	99
86) p-Isopropyltoluene	13.37	119	135624	10.749	ug/l	99
87) 1,3-Dichlorobenzene	13.37	146	70027	11.337	ug/l	94
88) 1,4-Dichlorobenzene	13.45	146	67313	10.903	ug/l	98
89) n-Butylbenzene	13.70	91	134195	10.763	ug/l	99
90) Hexachloroethane	13.96	117	24393	10.440	ug/l	96
91) 1,2-Dichlorobenzene	13.74	146	60396	10.804	ug/l	98
92) 1,2-Dibromo-3-Chloropropan	14.36	75	5192	10.349	ug/l	96

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.01	180	41737	10.724	ug/l	96
94) Hexachlorobutadiene	15.11	225	25004	11.871	ug/l	97
95) Naphthalene	15.23	128	94625	10.895	ug/l	98
96) 1,2,3-Trichlorobenzene	15.42	180	38407	10.949	ug/l	97

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

