

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_Y\DATA\VY103019\
 Data File : VY000484.D
 Acq On : 30 Oct 2019 11:01
 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

MMDadoda
 10/31/2019 11:31:19 AM

Quant Time: Oct 30 13:22:47 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_Y\METHODS\82Y103019S.M
 Quant Title : SW846 8260
 QLast Update : Wed Oct 30 13:10:11 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.80	168	233751	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.70	114	383963	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.49	117	343111	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.42	152	165331	50.00	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.15	65	24005	9.92	ug/l	0.00
Spiked Amount	50.000		Recovery	=	19.84%	
35) Dibromofluoromethane	7.72	113	24114	10.70	ug/l	0.00
Spiked Amount	50.000		Recovery	=	21.40%	
50) Toluene-d8	10.18	98	79151	9.25	ug/l	0.00
Spiked Amount	50.000		Recovery	=	18.50%	
62) 4-Bromofluorobenzene	12.48	95	34217	10.51	ug/l	0.00
Spiked Amount	50.000		Recovery	=	21.02%	

Target Compounds					Qvalue
2) Dichlorodifluoromethane	1.90	85	24818	10.786	ug/l 95
3) Chloromethane	2.11	50	31834	10.043	ug/l 99
4) Vinyl Chloride	2.25	62	30809	10.467	ug/l 97
5) Bromomethane	2.64	94	19732	11.179	ug/l 98
6) Chloroethane	2.79	64	18977	10.301	ug/l 98
7) Trichlorofluoromethane	3.13	101	42497	10.690	ug/l 97
8) Diethyl Ether	3.53	74	14426	10.213	ug/l 96
9) 1,1,2-Trichlorotrifluoroet	3.91	101	25367	10.555	ug/l 98
10) Methyl Iodide	4.10	142	25577	9.023	ug/l 99
11) Tert butyl alcohol	4.97	59	11992	50.927	ug/l # 91
12) 1,1-Dichloroethene	3.87	96	24425	10.461	ug/l 91
13) Acrolein	3.73	56	9061	44.176	ug/l 93
14) Allyl chloride	4.49	41	38729	10.201	ug/l 97
15) Acrylonitrile	5.18	53	37557	51.905	ug/l 96
16) Acetone	3.96	43	32814	49.218	ug/l 97
17) Carbon Disulfide	4.20	76	76853	10.436	ug/l 98
18) Methyl Acetate	4.49	43	19593	9.451	ug/l 100
19) Methyl tert-butyl Ether	5.22	73	64837	9.987	ug/l 99
20) Methylene Chloride	4.72	84	30873	10.807	ug/l 95
21) trans-1,2-Dichloroethene	5.23	96	26998	10.228	ug/l 91
22) Diisopropyl ether	6.13	45	80020	9.697	ug/l 95
23) Vinyl Acetate	6.07	43	260409	49.989	ug/l # 92
24) 1,1-Dichloroethane	6.03	63	44386	9.928	ug/l 97
25) 2-Butanone	7.00	43	53730	50.497	ug/l 97
26) 2,2-Dichloropropane	6.99	77	42378	10.373	ug/l 97
27) cis-1,2-Dichloroethene	7.00	96	28879	10.005	ug/l 94
28) Bromochloromethane	7.35	49	11496	6.366	ug/l 96
29) Tetrahydrofuran	7.36	42	32333	49.672	ug/l 94
30) Chloroform	7.52	83	46004	10.172	ug/l 95
31) Cyclohexane	7.80	56	48206	10.295	ug/l # 88
32) 1,1,1-Trichloroethane	7.71	97	40896	10.146	ug/l 99
36) 1,1-Dichloropropene	7.92	75	37453	10.318	ug/l 98
37) Ethyl Acetate	7.08	43	22818	10.588	ug/l # 94
38) Carbon Tetrachloride	7.91	117	35759	10.238	ug/l 95

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.19	83	48742	10.394	ug/l	93
40) Benzene	8.17	78	111098	10.440	ug/l	100
41) Methacrylonitrile	7.34	41	14414m	11.994	ug/l	
42) 1,2-Dichloroethane	8.25	62	31266	10.359	ug/l	97
43) Isopropyl Acetate	8.28	43	40753	10.067	ug/l	97
44) Trichloroethene	8.95	130	28430	10.133	ug/l	88
45) 1,2-Dichloropropane	9.22	63	26012	9.932	ug/l	94
46) Dibromomethane	9.31	93	14863	10.319	ug/l	97
47) Bromodichloromethane	9.50	83	34438	10.076	ug/l	95
48) Methyl methacrylate	9.30	41	18113	10.240	ug/l	99
49) 1,4-Dioxane	9.30	88	3643	187.920	ug/l #	76
51) 4-Methyl-2-Pentanone	10.08	43	110608	51.390	ug/l	99
52) Toluene	10.25	92	68632	10.201	ug/l	100
53) t-1,3-Dichloropropene	10.47	75	35914	9.834	ug/l	91
54) cis-1,3-Dichloropropene	9.93	75	42572	10.176	ug/l	96
55) 1,1,2-Trichloroethane	10.64	97	20927	10.045	ug/l	96
56) Ethyl methacrylate	10.51	69	28628	9.695	ug/l	97
57) 1,3-Dichloropropane	10.79	76	37332	10.238	ug/l	97
58) 2-Chloroethyl Vinyl ether	9.79	63	61078	45.753	ug/l	99
59) 2-Hexanone	10.83	43	77281	49.281	ug/l	99
60) Dibromochloromethane	10.99	129	24209	10.145	ug/l	95
61) 1,2-Dibromoethane	11.09	107	19947	9.958	ug/l	92
64) Tetrachloroethene	10.72	164	32084	11.309	ug/l	83
65) Chlorobenzene	11.52	112	72190	10.377	ug/l	97
66) 1,1,1,2-Tetrachloroethane	11.59	131	24591	10.193	ug/l	99
67) Ethyl Benzene	11.59	91	133327	10.414	ug/l	97
68) m/p-Xylenes	11.70	106	101599	20.503	ug/l	100
69) o-Xylene	12.03	106	47914	10.288	ug/l	92
70) Styrene	12.04	104	79014	9.908	ug/l	98
71) Bromoform	12.20	173	13691	9.866	ug/l #	95
73) Isopropylbenzene	12.33	105	125703	10.287	ug/l	97
74) N-amyl acetate	12.14	43	33463	9.562	ug/l	98
75) 1,1,2,2-Tetrachloroethane	12.58	83	25132	10.388	ug/l	98
76) 1,2,3-Trichloropropane	12.63	75	22897m	7.489	ug/l	
77) Bromobenzene	12.61	156	29193	10.535	ug/l	92
78) n-propylbenzene	12.67	91	152534	10.346	ug/l	100
79) 2-Chlorotoluene	12.75	91	84705	10.349	ug/l	99
80) 1,3,5-Trimethylbenzene	12.81	105	106423	10.457	ug/l	100
81) trans-1,4-Dichloro-2-buten	12.38	75	7848	9.347	ug/l	94
82) 4-Chlorotoluene	12.85	91	85992	10.135	ug/l	97
83) tert-Butylbenzene	13.08	119	91507	10.531	ug/l	99
84) 1,2,4-Trimethylbenzene	13.12	105	102573	10.123	ug/l	98
85) sec-Butylbenzene	13.25	105	126536	10.221	ug/l	98
86) p-Isopropyltoluene	13.37	119	114593	10.386	ug/l	99
87) 1,3-Dichlorobenzene	13.36	146	58070	10.699	ug/l	98
88) 1,4-Dichlorobenzene	13.44	146	57169	10.541	ug/l	96
89) n-Butylbenzene	13.69	91	110224	10.129	ug/l	99
90) Hexachloroethane	13.96	117	20935	10.263	ug/l	99
91) 1,2-Dichlorobenzene	13.73	146	51957	10.551	ug/l	98
92) 1,2-Dibromo-3-Chloropropan	14.35	75	4775	11.152	ug/l	89

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.00	180	36633	10.925	ug/l	97
94) Hexachlorobutadiene	15.11	225	20168	11.669	ug/l	94
95) Naphthalene	15.23	128	78109	10.494	ug/l	98
96) 1,2,3-Trichlorobenzene	15.42	180	32264	10.725	ug/l	99

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

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