

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_Y\DATA\VY103019\
 Data File : VY000488.D
 Acq On : 30 Oct 2019 12:31
 Operator : SY/MD
 Sample : VSTDICC150
 Misc : 5.00G/5ML/MSVOA_Y/SOIL
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 VSTDICC150

Manual Integrations
 APPROVED

MMDadoda
 10/31/2019 11:31:38 AM

Quant Time: Oct 30 13:29:32 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	252140	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.70	114	422271	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.49	117	381568	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.42	152	188870	50.00	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.15	65	404593	155.06	ug/l	0.00
Spiked Amount	50.000		Recovery	=	310.12%	
35) Dibromofluoromethane	7.73	113	363556	146.65	ug/l	0.00
Spiked Amount	50.000		Recovery	=	293.30%	
50) Toluene-d8	10.18	98	1520134	161.60	ug/l	0.00
Spiked Amount	50.000		Recovery	=	323.20%	
62) 4-Bromofluorobenzene	12.48	95	534634	149.30	ug/l	0.00
Spiked Amount	50.000		Recovery	=	298.60%	

Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.90	85	373477	150.471	ug/l	99
3) Chloromethane	2.11	50	518522	151.651	ug/l	100
4) Vinyl Chloride	2.25	62	482000	151.805	ug/l	99
5) Bromomethane	2.63	94	261060	137.111	ug/l	94
6) Chloroethane	2.78	64	301547	151.746	ug/l	98
7) Trichlorofluoromethane	3.12	101	627510	146.343	ug/l	99
8) Diethyl Ether	3.53	74	231014	151.623	ug/l	95
9) 1,1,2-Trichlorotrifluoroet	3.90	101	379550	146.412	ug/l	97
10) Methyl Iodide	4.09	142	534115	174.679	ug/l	99
11) Tert butyl alcohol	4.97	59	191965	755.764	ug/l	100
12) 1,1-Dichloroethene	3.87	96	373802	148.417	ug/l	89
13) Acrolein	3.73	56	175711	794.178	ug/l	98
14) Allyl chloride	4.48	41	664484	162.252	ug/l	98
15) Acrylonitrile	5.18	53	628704	805.519	ug/l	99
16) Acetone	3.96	43	569580	792.008	ug/l	98
17) Carbon Disulfide	4.19	76	1240005	156.099	ug/l	98
18) Methyl Acetate	4.48	43	366667	163.976	ug/l	100
19) Methyl tert-butyl Ether	5.22	73	1113748	159.046	ug/l	96
20) Methylene Chloride	4.72	84	423431	137.410	ug/l	97
21) trans-1,2-Dichloroethene	5.22	96	436048	153.142	ug/l	95
22) Diisopropyl ether	6.13	45	1501608	168.692	ug/l	97
23) Vinyl Acetate	6.07	43	4732974	842.300	ug/l	98
24) 1,1-Dichloroethane	6.03	63	750398	155.609	ug/l	100
25) 2-Butanone	7.00	43	912172	794.761	ug/l	98
26) 2,2-Dichloropropane	6.99	77	648330	147.115	ug/l	99
27) cis-1,2-Dichloroethene	6.99	96	481436	154.629	ug/l	100
28) Bromochloromethane	7.35	49	349908	179.646	ug/l	93
29) Tetrahydrofuran	7.36	42	582373	829.427	ug/l	99
30) Chloroform	7.52	83	748663	153.468	ug/l	99
31) Cyclohexane	7.79	56	738086	146.132	ug/l	98
32) 1,1,1-Trichloroethane	7.71	97	658156	151.381	ug/l	100
36) 1,1-Dichloropropene	7.93	75	599054	150.066	ug/l	98
37) Ethyl Acetate	7.08	43	366972	154.839	ug/l	98
38) Carbon Tetrachloride	7.91	117	575616	149.855	ug/l	97

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.19	83	779591	151.163	ug/l	98
40) Benzene	8.17	78	1770508	151.280	ug/l	99
41) Methacrylonitrile	7.33	41	204882m	155.017	ug/l	
42) 1,2-Dichloroethane	8.25	62	502242	151.305	ug/l	99
43) Isopropyl Acetate	8.28	43	708181	159.066	ug/l	99
44) Trichloroethene	8.94	130	452149	146.528	ug/l	99
45) 1,2-Dichloropropane	9.22	63	440225	152.833	ug/l	94
46) Dibromomethane	9.31	93	244490	154.337	ug/l	98
47) Bromodichloromethane	9.50	83	590312	157.046	ug/l	98
48) Methyl methacrylate	9.30	41	321605	165.329	ug/l	96
49) 1,4-Dioxane	9.31	88	69061	3239.251	ug/l	92
51) 4-Methyl-2-Pentanone	10.08	43	1928876	814.876	ug/l	98
52) Toluene	10.25	92	1152322	155.734	ug/l	99
53) t-1,3-Dichloropropene	10.47	75	653514	162.716	ug/l	99
54) cis-1,3-Dichloropropene	9.93	75	736936	160.166	ug/l	99
55) 1,1,2-Trichloroethane	10.65	97	354591	154.758	ug/l	98
56) Ethyl methacrylate	10.51	69	558630	172.019	ug/l	97
57) 1,3-Dichloropropane	10.79	76	626607	156.254	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.79	63	1155362	786.951	ug/l	98
59) 2-Hexanone	10.83	43	1411976	818.707	ug/l	98
60) Dibromochloromethane	10.99	129	416330	158.635	ug/l	99
61) 1,2-Dibromoethane	11.09	107	346887	157.459	ug/l	99
64) Tetrachloroethene	10.72	164	436157	138.238	ug/l	98
65) Chlorobenzene	11.52	112	1179986	152.528	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.59	131	417101	155.459	ug/l	99
67) Ethyl Benzene	11.59	91	2188118	153.682	ug/l	99
68) m/p-Xylenes	11.70	106	1668911	302.850	ug/l	97
69) o-Xylene	12.03	106	794129	153.334	ug/l	98
70) Styrene	12.04	104	1417552	159.841	ug/l	100
71) Bromoform	12.20	173	253165	164.052	ug/l	100
73) Isopropylbenzene	12.33	105	2118701	151.781	ug/l	100
74) N-amyl acetate	12.14	43	682040	170.603	ug/l	98
75) 1,1,2,2-Tetrachloroethane	12.58	83	437788	158.396	ug/l	100
76) 1,2,3-Trichloropropane	12.63	75	312817m	89.561	ug/l	
77) Bromobenzene	12.61	156	471161	148.844	ug/l	96
78) n-propylbenzene	12.67	91	2559690	151.977	ug/l	99
79) 2-Chlorotoluene	12.75	91	1412261	151.039	ug/l	97
80) 1,3,5-Trimethylbenzene	12.81	105	1732130	148.991	ug/l	100
81) trans-1,4-Dichloro-2-buten	12.38	75	170267	177.519	ug/l	93
82) 4-Chlorotoluene	12.85	91	1489974	153.727	ug/l	98
83) tert-Butylbenzene	13.07	119	1483613	149.461	ug/l	100
84) 1,2,4-Trimethylbenzene	13.12	105	1733272	149.740	ug/l	100
85) sec-Butylbenzene	13.25	105	2093776	148.050	ug/l	99
86) p-Isopropyltoluene	13.37	119	1833181	145.439	ug/l	100
87) 1,3-Dichlorobenzene	13.36	146	889417	143.450	ug/l	100
88) 1,4-Dichlorobenzene	13.44	146	900710	145.378	ug/l	99
89) n-Butylbenzene	13.69	91	1874113	150.752	ug/l	99
90) Hexachloroethane	13.95	117	353078	151.524	ug/l	98
91) 1,2-Dichlorobenzene	13.74	146	828256	147.233	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.36	75	74864	153.049	ug/l	99

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.00	180	543475	141.886	ug/l	99
94) Hexachlorobutadiene	15.11	225	259647	131.501	ug/l	99
95) Naphthalene	15.23	128	1287579	151.424	ug/l	99
96) 1,2,3-Trichlorobenzene	15.42	180	497168	144.675	ug/l	99

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

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