

Data Path : Z:\VOASRV\HPCHEM1\MSVOA Y\DATA\VY101119\
 Data File : VY000265.D
 Acq On : 11 Oct 2019 12:45
 Operator : SY/MD
 Sample : VSTDIC005
 Misc : 5.00G/5ML/MSVOA Y/SOIL
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 VSTDIC005

Manual Integrations
 APPROVED

MMDadoda
 10/15/2019 12:33:32 PM

Quant Time: Oct 14 08:08:38 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	273350	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.71	114	430648	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.49	117	381984	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.43	152	183138	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.15	65	14835	5.14	ug/l	0.00
Spiked Amount	50.000		Recovery	=	10.28%	
35) Dibromofluoromethane	7.74	113	12671	4.88	ug/l	0.00
Spiked Amount	50.000		Recovery	=	9.76%	
50) Toluene-d8	10.19	98	49637	4.97	ug/l	0.00
Spiked Amount	50.000		Recovery	=	9.94%	
62) 4-Bromofluorobenzene	12.49	95	18992	5.00	ug/l	0.00
Spiked Amount	50.000		Recovery	=	10.00%	
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.91	85	13900	5.703	ug/l	100
3) Chloromethane	2.12	50	19892	5.955	ug/l	97
4) Vinyl Chloride	2.26	62	16987	5.039	ug/l	97
5) Bromomethane	2.65	94	14651m	5.796	ug/l	
6) Chloroethane	2.79	64	10940	5.030	ug/l	92
7) Trichlorofluoromethane	3.13	101	24424	5.297	ug/l	90
8) Diethyl Ether	3.54	74	9272	5.692	ug/l	93
9) 1,1,2-Trichlorotrifluoroet	3.91	101	14611	5.225	ug/l	96
10) Methyl Iodide	4.11	142	13617	3.730	ug/l	98
11) Tert butyl alcohol	4.98	59	8408m	27.852	ug/l	
12) 1,1-Dichloroethene	3.88	96	13347	4.835	ug/l	86
13) Acrolein	3.74	56	8873	25.081	ug/l	98
14) Allyl chloride	4.49	41	23280	5.088	ug/l	99
15) Acrylonitrile	5.18	53	23205	25.450	ug/l	96
16) Acetone	3.96	43	23615	25.290	ug/l	95
17) Carbon Disulfide	4.21	76	45046	5.182	ug/l	97
18) Methyl Acetate	4.50	43	13622	5.871	ug/l #	78
19) Methyl tert-butyl Ether	5.24	73	39188	5.099	ug/l	94
20) Methylene Chloride	4.73	84	27960	7.302	ug/l	97
21) trans-1,2-Dichloroethene	5.23	96	16900	5.336	ug/l #	81
22) Diisopropyl ether	6.14	45	46307	4.786	ug/l	95
23) Vinyl Acetate	6.08	43	144503	22.891	ug/l	96
24) 1,1-Dichloroethane	6.04	63	26264	4.973	ug/l	95
25) 2-Butanone	7.01	43	33859	25.741	ug/l	92
26) 2,2-Dichloropropane	7.00	77	27084	5.565	ug/l	93
27) cis-1,2-Dichloroethene	7.00	96	17172	5.010	ug/l	93
28) Bromochloromethane	7.35	49	12807	5.648	ug/l	96
29) Tetrahydrofuran	7.36	42	20050	25.151	ug/l	99
30) Chloroform	7.52	83	27218	5.117	ug/l	94
31) Cyclohexane	7.80	56	31467	5.704	ug/l #	86
32) 1,1,1-Trichloroethane	7.71	97	24047	5.085	ug/l	98
36) 1,1-Dichloropropene	7.93	75	23236	5.511	ug/l	97
37) Ethyl Acetate	7.10	43	12844	5.145	ug/l	95
38) Carbon Tetrachloride	7.91	117	21382	5.238	ug/l	95

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.19	83	28628	5.188	ug/l	90
40) Benzene	8.17	78	63151	5.183	ug/l	99
41) Methacrylonitrile	7.32	41	5011m	4.570	ug/l	
42) 1,2-Dichloroethane	8.25	62	18608	5.346	ug/l	99
43) Isopropyl Acetate	8.28	43	24954	5.257	ug/l	98
44) Trichloroethene	8.95	130	19490	5.701	ug/l	95
45) 1,2-Dichloropropane	9.23	63	15219	5.090	ug/l	95
46) Dibromomethane	9.32	93	8785	5.256	ug/l	98
47) Bromodichloromethane	9.51	83	19817	5.031	ug/l #	91
48) Methyl methacrylate	9.30	41	10483	5.039	ug/l	98
49) 1,4-Dioxane	9.30	88	2789	111.280	ug/l #	89
51) 4-Methyl-2-Pentanone	10.08	43	61763	25.226	ug/l	98
52) Toluene	10.25	92	39935	5.162	ug/l	97
53) t-1,3-Dichloropropene	10.47	75	20206	4.786	ug/l	95
54) cis-1,3-Dichloropropene	9.94	75	23126	4.823	ug/l	97
55) 1,1,2-Trichloroethane	10.65	97	12641	5.201	ug/l	87
56) Ethyl methacrylate	10.52	69	16416	4.739	ug/l	95
57) 1,3-Dichloropropane	10.80	76	20983	5.027	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.79	63	34635	25.066	ug/l	98
59) 2-Hexanone	10.84	43	41199	23.973	ug/l	99
60) Dibromochloromethane	10.99	129	13434	4.987	ug/l	98
61) 1,2-Dibromoethane	11.10	107	11681	5.006	ug/l	93
64) Tetrachloroethene	10.72	164	19180	5.274	ug/l	92
65) Chlorobenzene	11.52	112	40419	5.014	ug/l	97
66) 1,1,1,2-Tetrachloroethane	11.59	131	13936	4.921	ug/l	97
67) Ethyl Benzene	11.60	91	76040	5.088	ug/l	94
68) m/p-Xylenes	11.71	106	56890	9.958	ug/l	98
69) o-Xylene	12.03	106	27912	5.121	ug/l	93
70) Styrene	12.05	104	43981	4.785	ug/l	98
71) Bromoform	12.21	173	7219	4.434	ug/l #	89
73) Isopropylbenzene	12.33	105	70648	4.947	ug/l	97
74) N-amyl acetate	12.14	43	15848	4.521	ug/l	98
75) 1,1,2,2-Tetrachloroethane	12.58	83	13561	5.058	ug/l	95
76) 1,2,3-Trichloropropane	12.64	75	12415m	3.391	ug/l	
77) Bromobenzene	12.61	156	17015	5.355	ug/l	94
78) n-propylbenzene	12.67	91	86426	5.041	ug/l	100
79) 2-Chlorotoluene	12.76	91	48390	5.111	ug/l	98
80) 1,3,5-Trimethylbenzene	12.81	105	62034	5.181	ug/l	99
81) trans-1,4-Dichloro-2-buten	12.39	75	4512	4.384	ug/l	90
82) 4-Chlorotoluene	12.86	91	51086	5.104	ug/l	97
83) tert-Butylbenzene	13.08	119	50825	5.012	ug/l	98
84) 1,2,4-Trimethylbenzene	13.12	105	59166	5.006	ug/l	98
85) sec-Butylbenzene	13.25	105	72804	4.963	ug/l	99
86) p-Isopropyltoluene	13.37	119	62506	4.888	ug/l	99
87) 1,3-Dichlorobenzene	13.36	146	33158	5.296	ug/l	98
88) 1,4-Dichlorobenzene	13.45	146	32882	5.255	ug/l	96
89) n-Butylbenzene	13.70	91	60478	4.785	ug/l	99
90) Hexachloroethane	13.96	117	11076	4.677	ug/l	91
91) 1,2-Dichlorobenzene	13.74	146	29185	5.151	ug/l	97
92) 1,2-Dibromo-3-Chloropropan	14.36	75	2626	5.164	ug/l	89

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.01	180	22298	5.652	ug/l	95
94) Hexachlorobutadiene	15.11	225	11573	5.421	ug/l	99
95) Naphthalene	15.23	128	46941	5.332	ug/l	100
96) 1,2,3-Trichlorobenzene	15.43	180	19234	5.410	ug/l	97

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

