

Data Path : Z:\VOASRV\HPCHEM1\MSVOA Y\DATA\VY011020\
 Data File : VY001147.D
 Acq On : 10 Jan 2020 14:40
 Operator : SY/MD
 Sample : VSTDIC020
 Misc : 5.00G/5ML/MSVOA Y/SOIL
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 VSTDIC020

Manual Integrations
 APPROVED

MMDadoda
 1/13/2020 12:38:51 PM

Quant Time: Jan 10 15:39:35 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_Y\METHODS\82Y011020S.M
 Quant Title : SW846 8260
 QLast Update : Fri Jan 10 15:28:29 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.80	168	226581	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.69	114	386059	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.49	117	346713	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.42	152	168811	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	45527	22.96	ug/l	0.00
Spiked Amount						
			Recovery	=	45.92%	
35) Dibromofluoromethane	7.73	113	46939	21.33	ug/l	0.00
Spiked Amount						
			Recovery	=	42.66%	
50) Toluene-d8	10.18	98	160142	19.53	ug/l	0.00
Spiked Amount						
			Recovery	=	39.06%	
62) 4-Bromofluorobenzene	12.48	95	75261	23.85	ug/l	0.00
Spiked Amount						
			Recovery	=	47.70%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	1.90	85	37761	22.989	ug/l	99
3) Chloromethane	2.12	50	53494	39.104	ug/l	100
4) Vinyl Chloride	2.25	62	55282	39.398	ug/l	98
5) Bromomethane	2.65	94	27860	29.489	ug/l	94
6) Chloroethane	2.79	64	30800	33.563	ug/l	96
7) Trichlorofluoromethane	3.13	101	74182	22.884	ug/l	99
8) Diethyl Ether	3.53	74	29111	24.478	ug/l	98
9) 1,1,2-Trichlorotrifluoroet	3.90	101	48119	23.537	ug/l	99
10) Methyl Iodide	4.10	142	64964	20.954	ug/l	99
11) Tert butyl alcohol	4.96	59	24872	129.328	ug/l	98
12) 1,1-Dichloroethene	3.88	96	49260	23.455	ug/l	99
13) Acrolein	3.74	56	24083	133.327	ug/l	100
14) Allyl chloride	4.49	41	81913	33.214	ug/l	99
15) Acrylonitrile	5.18	53	73366	140.982	ug/l	98
16) Acetone	3.96	43	54199	138.562	ug/l	99
17) Carbon Disulfide	4.20	76	159569	25.179	ug/l	99
18) Methyl Acetate	4.49	43	37885	31.148	ug/l	99
19) Methyl tert-butyl Ether	5.23	73	133240	25.516	ug/l	99
20) Methylene Chloride	4.72	84	65502	26.557	ug/l	99
21) trans-1,2-Dichloroethene	5.22	96	55666	23.704	ug/l	98
22) Diisopropyl ether	6.13	45	162213	32.014	ug/l	99
23) Vinyl Acetate	6.07	43	541220	168.902	ug/l	100
24) 1,1-Dichloroethane	6.03	63	91234	27.534	ug/l	98
25) 2-Butanone	7.00	43	90338	141.353	ug/l	98
26) 2,2-Dichloropropane	6.99	77	81341	23.078	ug/l	98
27) cis-1,2-Dichloroethene	7.00	96	61224	22.125	ug/l	97
28) Bromochloromethane	7.35	49	31697	24.287	ug/l	98
29) Tetrahydrofuran	7.36	42	62257	144.040	ug/l	99
30) Chloroform	7.52	83	88190	22.153	ug/l	98
31) Cyclohexane	7.79	56	95536	24.763	ug/l	94
32) 1,1,1-Trichloroethane	7.71	97	78425	21.373	ug/l	100
36) 1,1-Dichloropropene	7.93	75	75001	22.243	ug/l	99
37) Ethyl Acetate	7.08	43	43868	29.370	ug/l	100
38) Carbon Tetrachloride	7.91	117	67633	19.704	ug/l	98

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.19	83	100460	21.569	ug/l	98
40) Benzene	8.17	78	216963	21.069	ug/l	99
41) Methacrylonitrile	7.32	41	16433m	22.196	ug/l	
42) 1,2-Dichloroethane	8.24	62	60498	23.928	ug/l	98
43) Isopropyl Acetate	8.28	43	83644	28.345	ug/l	100
44) Trichloroethene	8.94	130	56453	18.654	ug/l	99
45) 1,2-Dichloropropane	9.22	63	53831	23.071	ug/l	96
46) Dibromomethane	9.31	93	29233	21.425	ug/l	99
47) Bromodichloromethane	9.50	83	70869	22.809	ug/l	100
48) Methyl methacrylate	9.30	41	38423	29.884	ug/l	98
49) 1,4-Dioxane	9.30	88	7071	350.114	ug/l	96
51) 4-Methyl-2-Pentanone	10.07	43	215102	151.241	ug/l	100
52) Toluene	10.24	92	136516	21.476	ug/l	100
53) t-1,3-Dichloropropene	10.47	75	78797	23.987	ug/l	98
54) cis-1,3-Dichloropropene	9.93	75	89648	23.242	ug/l	99
55) 1,1,2-Trichloroethane	10.64	97	43368	22.149	ug/l	98
56) Ethyl methacrylate	10.51	69	66696	25.705	ug/l	99
57) 1,3-Dichloropropane	10.79	76	75491	24.391	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.78	63	113604	121.880	ug/l	100
59) 2-Hexanone	10.83	43	151790	159.521	ug/l	99
60) Dibromochloromethane	10.99	129	49959	22.370	ug/l	99
61) 1,2-Dibromoethane	11.09	107	42529	22.424	ug/l	100
64) Tetrachloroethene	10.72	164	45616	14.873	ug/l	98
65) Chlorobenzene	11.52	112	143266	19.680	ug/l	100
66) 1,1,1,2-Tetrachloroethane	11.59	131	50369	19.689	ug/l	100
67) Ethyl Benzene	11.59	91	266808	20.907	ug/l	99
68) m/p-Xylenes	11.70	106	203600	40.428	ug/l	99
69) o-Xylene	12.03	106	97281	20.349	ug/l	99
70) Styrene	12.04	104	170452	20.979	ug/l	99
71) Bromoform	12.20	173	30988	20.261	ug/l #	100
73) Isopropylbenzene	12.33	105	254796	20.108	ug/l	99
74) N-amyl acetate	12.14	43	80418	30.175	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.58	83	54496	23.498	ug/l	100
76) 1,2,3-Trichloropropane	12.63	75	36709m	21.071	ug/l	
77) Bromobenzene	12.61	156	57615	18.965	ug/l	97
78) n-propylbenzene	12.67	91	310794	20.659	ug/l	100
79) 2-Chlorotoluene	12.75	91	176202	20.995	ug/l	99
80) 1,3,5-Trimethylbenzene	12.81	105	216612	20.140	ug/l	98
81) trans-1,4-Dichloro-2-buten	12.38	75	21544	24.153	ug/l #	99
82) 4-Chlorotoluene	12.85	91	186165	21.386	ug/l	97
83) tert-Butylbenzene	13.07	119	181239	19.912	ug/l	99
84) 1,2,4-Trimethylbenzene	13.12	105	217015	20.150	ug/l	99
85) sec-Butylbenzene	13.25	105	264262	20.642	ug/l	99
86) p-Isopropyltoluene	13.37	119	233973	20.360	ug/l	100
87) 1,3-Dichlorobenzene	13.36	146	110145	19.339	ug/l	99
88) 1,4-Dichlorobenzene	13.44	146	113475	19.751	ug/l	99
89) n-Butylbenzene	13.69	91	232157	21.226	ug/l	100
90) Hexachloroethane	13.95	117	44924	20.909	ug/l	99
91) 1,2-Dichlorobenzene	13.73	146	102643	19.619	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.36	75	9856	23.678	ug/l	95

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.00	180	67990	18.972	ug/l	98
94) Hexachlorobutadiene	15.11	225	34327	18.940	ug/l	96
95) Naphthalene	15.23	128	158916	19.284	ug/l	99
96) 1,2,3-Trichlorobenzene	15.42	180	60621	18.974	ug/l	100

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

