

Data Path : Z:\VOASRV\HPCHEM1\MSVOA Y\DATA\VY011020\
 Data File : VY001154.D
 Acq On : 10 Jan 2020 18:04
 Operator : SY/MD
 Sample : VY0110SBS01
 Misc : 5.00G/5ML/MSVOA Y/SOIL
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 VY0110SBS01

Manual Integrations
 APPROVED

MMDadoda
 1/13/2020 12:39:21 PM

Quant Time: Jan 10 18:23:15 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_Y\METHODS\82Y011020S.M
 Quant Title : SW846 8260
 QLast Update : Fri Jan 10 16:01:58 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.80	168	232391	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.69	114	397768	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.49	117	353690	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.42	152	166180	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.15	65	120464	49.08	ug/l	0.00
Spiked Amount	50.000		Recovery	=	98.16%	
35) Dibromofluoromethane	7.73	113	112472	48.29	ug/l	0.00
Spiked Amount	50.000		Recovery	=	96.58%	
50) Toluene-d8	10.18	98	459489	51.20	ug/l	0.00
Spiked Amount	50.000		Recovery	=	102.40%	
62) 4-Bromofluorobenzene	12.48	95	175210	47.76	ug/l	0.00
Spiked Amount	50.000		Recovery	=	95.52%	

Target Compounds

					Qvalue	
2) Dichlorodifluoromethane	1.90	85	38828	21.755	ug/l	95
3) Chloromethane	2.12	50	51743	20.113	ug/l	100
4) Vinyl Chloride	2.25	62	53374	20.594	ug/l	99
5) Bromomethane	2.65	94	29200	20.975	ug/l	98
6) Chloroethane	2.79	64	30213	20.178	ug/l	96
7) Trichlorofluoromethane	3.13	101	72456	20.085	ug/l	97
8) Diethyl Ether	3.54	74	28247	20.151	ug/l	98
9) 1,1,2-Trichlorotrifluoroet	3.91	101	47503	20.457	ug/l	99
10) Methyl Iodide	4.10	142	65698	20.670	ug/l	100
11) Tert butyl alcohol	4.96	59	27234	110.281	ug/l	97
12) 1,1-Dichloroethene	3.88	96	48183	20.282	ug/l	95
13) Acrolein	3.74	56	23249	104.575	ug/l	97
14) Allyl chloride	4.49	41	80337	20.036	ug/l	100
15) Acrylonitrile	5.18	53	71450	101.917	ug/l	98
16) Acetone	3.96	43	54200	95.083	ug/l	96
17) Carbon Disulfide	4.20	76	157734	20.514	ug/l	100
18) Methyl Acetate	4.48	43	35958	19.079	ug/l	100
19) Methyl tert-butyl Ether	5.23	73	132042	20.093	ug/l	97
20) Methylene Chloride	4.72	84	57220	18.006	ug/l	95
21) trans-1,2-Dichloroethene	5.23	96	54057	20.067	ug/l	94
22) Diisopropyl ether	6.13	45	160566	19.606	ug/l	100
23) Vinyl Acetate	6.07	43	530462	101.280	ug/l	100
24) 1,1-Dichloroethane	6.03	63	89990	20.072	ug/l	99
25) 2-Butanone	7.00	43	91673	103.333	ug/l	99
26) 2,2-Dichloropropane	6.99	77	82497	20.010	ug/l	99
27) cis-1,2-Dichloroethene	7.00	96	59584	20.186	ug/l	99
28) Bromochloromethane	7.34	49	30208	16.408	ug/l	96
29) Tetrahydrofuran	7.36	42	61042	100.402	ug/l	99
30) Chloroform	7.52	83	87378	19.890	ug/l	99
31) Cyclohexane	7.79	56	94273	19.859	ug/l	97
32) 1,1,1-Trichloroethane	7.71	97	77730	19.942	ug/l	99
36) 1,1-Dichloropropene	7.93	75	73358	20.234	ug/l	100
37) Ethyl Acetate	7.08	43	42470	19.961	ug/l	100
38) Carbon Tetrachloride	7.91	117	66992	20.163	ug/l	94

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.19	83	99419	20.227	ug/l	98
40) Benzene	8.17	78	214367	20.256	ug/l	100
41) Methacrylonitrile	7.33	41	24450m	24.464	ug/l	
42) 1,2-Dichloroethane	8.24	62	59378	20.038	ug/l	100
43) Isopropyl Acetate	8.28	43	81821	20.111	ug/l	98
44) Trichloroethene	8.94	130	56618	20.532	ug/l	99
45) 1,2-Dichloropropane	9.22	63	53684	20.519	ug/l	97
46) Dibromomethane	9.31	93	29037	20.341	ug/l	100
47) Bromodichloromethane	9.50	83	69689	20.032	ug/l	100
48) Methyl methacrylate	9.30	41	37459	19.896	ug/l	97
49) 1,4-Dioxane	9.30	88	7192	413.707	ug/l	93
51) 4-Methyl-2-Pentanone	10.07	43	209069	101.273	ug/l	100
52) Toluene	10.24	92	137559	20.380	ug/l	100
53) t-1,3-Dichloropropene	10.47	75	77050	19.792	ug/l	98
54) cis-1,3-Dichloropropene	9.93	75	89431	20.376	ug/l	96
55) 1,1,2-Trichloroethane	10.64	97	43246	20.435	ug/l	97
56) Ethyl methacrylate	10.51	69	64774	20.009	ug/l	99
57) 1,3-Dichloropropane	10.79	76	74741	20.573	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.78	63	110571	97.116	ug/l	100
59) 2-Hexanone	10.83	43	147959	102.266	ug/l	99
60) Dibromochloromethane	10.99	129	48411	19.868	ug/l	99
61) 1,2-Dibromoethane	11.09	107	41711	20.186	ug/l	100
64) Tetrachloroethene	10.72	164	45379	19.903	ug/l	98
65) Chlorobenzene	11.51	112	143300	20.276	ug/l	98
66) 1,1,1,2-Tetrachloroethane	11.59	131	49385	20.275	ug/l	98
67) Ethyl Benzene	11.59	91	262981	20.341	ug/l	100
68) m/p-Xylenes	11.70	106	200732	41.159	ug/l	99
69) o-Xylene	12.03	106	95567	20.438	ug/l	99
70) Styrene	12.04	104	165868	20.217	ug/l	99
71) Bromoform	12.20	173	30146	20.069	ug/l #	100
73) Isopropylbenzene	12.33	105	254134	20.342	ug/l	100
74) N-amyl acetate	12.14	43	78177	20.051	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.58	83	53968	20.532	ug/l	100
76) 1,2,3-Trichloropropane	12.63	75	34997m	19.673	ug/l	
77) Bromobenzene	12.61	156	57148	20.702	ug/l	95
78) n-propylbenzene	12.67	91	305531	20.332	ug/l	100
79) 2-Chlorotoluene	12.75	91	174590	20.230	ug/l	99
80) 1,3,5-Trimethylbenzene	12.81	105	216736	20.792	ug/l	98
81) trans-1,4-Dichloro-2-buten	12.38	75	21191	20.200	ug/l #	96
82) 4-Chlorotoluene	12.85	91	186286	20.219	ug/l	99
83) tert-Butylbenzene	13.07	119	182095	20.790	ug/l	99
84) 1,2,4-Trimethylbenzene	13.11	105	214188	20.691	ug/l	99
85) sec-Butylbenzene	13.25	105	263298	20.896	ug/l	100
86) p-Isopropyltoluene	13.36	119	231322	21.144	ug/l	99
87) 1,3-Dichlorobenzene	13.36	146	109728	21.018	ug/l	99
88) 1,4-Dichlorobenzene	13.44	146	111763	20.801	ug/l	99
89) n-Butylbenzene	13.69	91	229470	20.825	ug/l	99
90) Hexachloroethane	13.96	117	44014	20.590	ug/l	99
91) 1,2-Dichlorobenzene	13.74	146	100872	20.790	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.35	75	9787	20.642	ug/l	98

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.00	180	66877	20.920	ug/l	99
94) Hexachlorobutadiene	15.11	225	33443	20.766	ug/l	99
95) Naphthalene	15.23	128	154357	20.741	ug/l	99
96) 1,2,3-Trichlorobenzene	15.42	180	59113	20.982	ug/l	99

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

