

Data Path : Z:\VOASRV\HPCHEM1\MSVOA Y\DATA\VY011420\
 Data File : VY001193.D
 Acq On : 14 Jan 2020 11:00
 Operator : SY/MD
 Sample : VY0114SBS01
 Misc : 5.00G/5ML/MSVOA Y/SOIL
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 VY0114SBS01

Manual Integrations
 APPROVED

MMDadoda
 1/15/2020 9:30:25 AM

Quant Time: Jan 15 01:36:56 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	195457	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.70	114	341670	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.49	117	306487	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.42	152	146972	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	95410	46.22	ug/l	0.00
Spiked Amount			Recovery	=	92.44%	
35) Dibromofluoromethane	7.73	113	90485	45.23	ug/l	0.00
Spiked Amount			Recovery	=	90.46%	
50) Toluene-d8	10.18	98	367388	47.66	ug/l	0.00
Spiked Amount			Recovery	=	95.32%	
62) 4-Bromofluorobenzene	12.48	95	138911	44.08	ug/l	0.00
Spiked Amount			Recovery	=	88.16%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	1.90	85	33181	22.105	ug/l	97
3) Chloromethane	2.12	50	48285	22.316	ug/l	97
4) Vinyl Chloride	2.26	62	48382	22.196	ug/l	98
5) Bromomethane	2.65	94	32020	27.347	ug/l	94
6) Chloroethane	2.80	64	30467	24.193	ug/l	98
7) Trichlorofluoromethane	3.13	101	61116	20.143	ug/l	95
8) Diethyl Ether	3.54	74	25836	21.914	ug/l	97
9) 1,1,2-Trichlorotrifluoroet	3.91	101	40346	20.658	ug/l	98
10) Methyl Iodide	4.10	142	54181	20.268	ug/l	99
11) Tert butyl alcohol	4.96	59	23251	111.943	ug/l	97
12) 1,1-Dichloroethene	3.88	96	42067	21.053	ug/l	95
13) Acrolein	3.74	56	21469	114.817	ug/l	100
14) Allyl chloride	4.49	41	71577	21.225	ug/l	100
15) Acrylonitrile	5.18	53	62196	105.481	ug/l	100
16) Acetone	3.96	43	49902	104.086	ug/l	99
17) Carbon Disulfide	4.20	76	137914	21.326	ug/l	99
18) Methyl Acetate	4.49	43	31930	20.144	ug/l	100
19) Methyl tert-butyl Ether	5.23	73	117916	21.334	ug/l	97
20) Methylene Chloride	4.72	84	51591	19.749	ug/l	98
21) trans-1,2-Dichloroethene	5.23	96	48710	21.499	ug/l	96
22) Diisopropyl ether	6.13	45	147023	21.345	ug/l	98
23) Vinyl Acetate	6.07	43	475674	107.981	ug/l	99
24) 1,1-Dichloroethane	6.03	63	81589	21.637	ug/l	99
25) 2-Butanone	7.00	43	81680	109.466	ug/l	98
26) 2,2-Dichloropropane	6.99	77	72335	20.860	ug/l	98
27) cis-1,2-Dichloroethene	7.00	96	53925	21.721	ug/l	99
28) Bromochloromethane	7.35	49	28385	18.331	ug/l	96
29) Tetrahydrofuran	7.36	42	54615	106.806	ug/l	98
30) Chloroform	7.52	83	79388	21.486	ug/l	98
31) Cyclohexane	7.79	56	79583	19.933	ug/l	92
32) 1,1,1-Trichloroethane	7.71	97	67073	20.459	ug/l	99
36) 1,1-Dichloropropene	7.93	75	64353	20.665	ug/l	99
37) Ethyl Acetate	7.08	43	37366	20.446	ug/l	99
38) Carbon Tetrachloride	7.91	117	57956	20.307	ug/l	97

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.19	83	83945	19.883	ug/l	98
40) Benzene	8.17	78	193223	21.256	ug/l	97
41) Methacrylonitrile	7.33	41	20000m	23.297	ug/l	
42) 1,2-Dichloroethane	8.25	62	52560	20.649	ug/l	98
43) Isopropyl Acetate	8.28	43	71057	20.333	ug/l	100
44) Trichloroethene	8.94	130	50460	21.303	ug/l	96
45) 1,2-Dichloropropane	9.22	63	48083	21.396	ug/l	99
46) Dibromomethane	9.31	93	25934	21.150	ug/l	98
47) Bromodichloromethane	9.50	83	62464	20.903	ug/l	100
48) Methyl methacrylate	9.30	41	32685	20.211	ug/l	98
49) 1,4-Dioxane	9.30	88	6564	439.577	ug/l #	91
51) 4-Methyl-2-Pentanone	10.07	43	181087	102.121	ug/l	100
52) Toluene	10.24	92	124305	21.440	ug/l	99
53) t-1,3-Dichloropropene	10.47	75	68767	20.565	ug/l	98
54) cis-1,3-Dichloropropene	9.93	75	79991	21.217	ug/l	98
55) 1,1,2-Trichloroethane	10.64	97	38668	21.272	ug/l	99
56) Ethyl methacrylate	10.51	69	57011	20.503	ug/l	98
57) 1,3-Dichloropropane	10.79	76	67172	21.525	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.78	63	101966	104.262	ug/l	100
59) 2-Hexanone	10.83	43	127860	102.884	ug/l	100
60) Dibromochloromethane	10.99	129	43063	20.575	ug/l	99
61) 1,2-Dibromoethane	11.09	107	36536	20.584	ug/l	99
64) Tetrachloroethene	10.72	164	40193	20.344	ug/l	99
65) Chlorobenzene	11.52	112	129302	21.114	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.59	131	44658	21.158	ug/l	99
67) Ethyl Benzene	11.59	91	237220	21.175	ug/l	99
68) m/p-Xylenes	11.70	106	182240	43.123	ug/l	97
69) o-Xylene	12.03	106	85722	21.156	ug/l	99
70) Styrene	12.04	104	151217	21.270	ug/l	98
71) Bromoform	12.20	173	26485	20.347	ug/l #	99
73) Isopropylbenzene	12.33	105	225829	20.439	ug/l	100
74) N-amyl acetate	12.14	43	68931	19.991	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.58	83	46851	20.154	ug/l	100
76) 1,2,3-Trichloropropane	12.63	75	31547m	20.051	ug/l	
77) Bromobenzene	12.61	156	51969	21.286	ug/l	94
78) n-propylbenzene	12.67	91	275277	20.713	ug/l	99
79) 2-Chlorotoluene	12.75	91	156279	20.475	ug/l	98
80) 1,3,5-Trimethylbenzene	12.81	105	189970	20.606	ug/l	97
81) trans-1,4-Dichloro-2-buten	12.38	75	17855	19.244	ug/l #	99
82) 4-Chlorotoluene	12.85	91	165314	20.288	ug/l	97
83) tert-Butylbenzene	13.07	119	157437	20.324	ug/l	99
84) 1,2,4-Trimethylbenzene	13.12	105	192869	21.067	ug/l	99
85) sec-Butylbenzene	13.25	105	230224	20.659	ug/l	99
86) p-Isopropyltoluene	13.37	119	208150	21.513	ug/l	99
87) 1,3-Dichlorobenzene	13.36	146	100156	21.692	ug/l	98
88) 1,4-Dichlorobenzene	13.44	146	102793	21.632	ug/l	98
89) n-Butylbenzene	13.69	91	205114	21.048	ug/l	99
90) Hexachloroethane	13.96	117	38480	20.353	ug/l	96
91) 1,2-Dichlorobenzene	13.74	146	92267	21.502	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.36	75	8074	19.255	ug/l	93

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.01	180	62172	21.990	ug/l	98
94) Hexachlorobutadiene	15.11	225	31807	22.331	ug/l	99
95) Naphthalene	15.23	128	139803	21.240	ug/l	100
96) 1,2,3-Trichlorobenzene	15.42	180	56304	22.596	ug/l	98

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

