

Data Path : Z:\VOASRV\HPCHEM1\MSVOA Y\DATA\VY021020\
 Data File : VY001580.D
 Acq On : 10 Feb 2020 13:07
 Operator : SY/MD
 Sample : VY0210SBS01
 Misc : 5.00G/5ML/MSVOA Y/SOIL
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 VY0210SBS01

Manual Integrations
 APPROVED

MMDadoda
 2/11/2020 6:11:02 PM

Quant Time: Feb 11 06:06:44 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_Y\METHODS\82Y020420S.M
 Quant Title : SW846 8260
 QLast Update : Tue Feb 04 15:10:08 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.82	168	205764	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.71	114	355764	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.50	117	316150	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.44	152	152266	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	8.17	65	103175	49.80	ug/l	0.00
Spiked Amount			Recovery	=	99.60%	
35) Dibromofluoromethane	7.75	113	97554	47.55	ug/l	0.00
Spiked Amount			Recovery	=	95.10%	
50) Toluene-d8	10.20	98	403037	51.93	ug/l	0.01
Spiked Amount			Recovery	=	103.86%	
62) 4-Bromofluorobenzene	12.49	95	147654	48.29	ug/l	0.00
Spiked Amount			Recovery	=	96.58%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	1.91	85	34939	17.347	ug/l	94
3) Chloromethane	2.13	50	46842	22.251	ug/l	95
4) Vinyl Chloride	2.27	62	47747	21.843	ug/l	98
5) Bromomethane	2.66	94	32868	23.909	ug/l	94
6) Chloroethane	2.81	64	30798	23.375	ug/l	100
7) Trichlorofluoromethane	3.15	101	63107	17.442	ug/l	96
8) Diethyl Ether	3.56	74	23688	19.401	ug/l	90
9) 1,1,2-Trichlorotrifluoroet	3.93	101	39802	18.283	ug/l	99
10) Methyl Iodide	4.12	142	46754	16.855	ug/l	98
11) Tert butyl alcohol	4.99	59	25403	86.989	ug/l	96
12) 1,1-Dichloroethene	3.90	96	39257	18.147	ug/l	98
13) Acrolein	3.76	56	17805	90.763	ug/l	96
14) Allyl chloride	4.51	41	71287	21.541	ug/l	94
15) Acrylonitrile	5.21	53	59776	106.793	ug/l	99
16) Acetone	3.97	43	59178	98.749	ug/l	98
17) Carbon Disulfide	4.22	76	129466	18.799	ug/l	97
18) Methyl Acetate	4.51	43	29280	22.896	ug/l	96
19) Methyl tert-butyl Ether	5.26	73	109468	19.028	ug/l	99
20) Methylene Chloride	4.75	84	52263	19.378	ug/l	91
21) trans-1,2-Dichloroethene	5.25	96	45175	18.784	ug/l	97
22) Diisopropyl ether	6.16	45	142996	21.809	ug/l	97
23) Vinyl Acetate	6.10	43	451002	108.053	ug/l	95
24) 1,1-Dichloroethane	6.05	63	78171	19.821	ug/l	97
25) 2-Butanone	7.02	43	87153	112.099	ug/l	93
26) 2,2-Dichloropropane	7.02	77	69106	18.309	ug/l	99
27) cis-1,2-Dichloroethene	7.02	96	50374	19.177	ug/l	96
28) Bromochloromethane	7.36	49	27243	20.278	ug/l	91
29) Tetrahydrofuran	7.38	42	54261	116.443	ug/l	92
30) Chloroform	7.53	83	73439	18.384	ug/l	100
31) Cyclohexane	7.81	56	81848	20.289	ug/l	96
32) 1,1,1-Trichloroethane	7.74	97	65098	17.974	ug/l	97
36) 1,1-Dichloropropene	7.94	75	63486	19.507	ug/l	98
37) Ethyl Acetate	7.10	43	35415	22.478	ug/l	97
38) Carbon Tetrachloride	7.93	117	57000	18.102	ug/l	99

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)

39) Methylcyclohexane	9.21	83	82485	19.248	ug/l	100
40) Benzene	8.19	78	184392	19.863	ug/l	99
41) Methacrylonitrile	7.35	41	18073m	24.751	ug/l	
42) 1,2-Dichloroethane	8.26	62	50497	19.525	ug/l	99
43) Isopropyl Acetate	8.30	43	69469	22.270	ug/l	94
44) Trichloroethene	8.96	130	47755	19.085	ug/l	96
45) 1,2-Dichloropropane	9.24	63	46074	20.554	ug/l	96
46) Dibromomethane	9.33	93	24101	19.147	ug/l	98
47) Bromodichloromethane	9.52	83	58738	19.152	ug/l	98
48) Methyl methacrylate	9.31	41	31100	21.966	ug/l	91
49) 1,4-Dioxane	9.33	88	6164	370.800	ug/l #	85
51) 4-Methyl-2-Pentanone	10.09	43	176935	115.174	ug/l	95
52) Toluene	10.26	92	115794	19.659	ug/l	99
53) t-1,3-Dichloropropene	10.48	75	63925	19.137	ug/l	99
54) cis-1,3-Dichloropropene	9.94	75	73254	19.101	ug/l	94
55) 1,1,2-Trichloroethane	10.66	97	35432	19.619	ug/l	97
56) Ethyl methacrylate	10.52	69	51704	20.129	ug/l	90
57) 1,3-Dichloropropane	10.80	76	61656	19.367	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.80	63	99249	105.030	ug/l	96
59) 2-Hexanone	10.85	43	127769	114.388	ug/l	95
60) Dibromochloromethane	11.00	129	39588	18.596	ug/l	98
61) 1,2-Dibromoethane	11.10	107	33596	18.887	ug/l	98
64) Tetrachloroethene	10.74	164	40087	19.334	ug/l	96
65) Chlorobenzene	11.53	112	119281	19.215	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.60	131	40677	18.723	ug/l	99
67) Ethyl Benzene	11.61	91	224440	19.555	ug/l	99
68) m/p-Xylenes	11.72	106	167996	38.990	ug/l	99
69) o-Xylene	12.04	106	79886	19.664	ug/l	99
70) Styrene	12.05	104	135956	19.352	ug/l	98
71) Bromoform	12.22	173	22745	18.801	ug/l	99
73) Isopropylbenzene	12.34	105	212781	18.323	ug/l	99
74) N-amyl acetate	12.16	43	64871	21.497	ug/l	95
75) 1,1,2,2-Tetrachloroethane	12.59	83	43696	19.804	ug/l	99
76) 1,2,3-Trichloropropane	12.64	75	28569m	17.447	ug/l	
77) Bromobenzene	12.62	156	47113	18.746	ug/l	97
78) n-propylbenzene	12.68	91	264228	19.005	ug/l	99
79) 2-Chlorotoluene	12.77	91	145677	18.383	ug/l	99
80) 1,3,5-Trimethylbenzene	12.82	105	179762	18.380	ug/l	99
81) trans-1,4-Dichloro-2-buten	12.39	75	16066	18.985	ug/l	98
82) 4-Chlorotoluene	12.86	91	154918	18.645	ug/l	100
83) tert-Butylbenzene	13.08	119	150196	18.168	ug/l	99
84) 1,2,4-Trimethylbenzene	13.13	105	181244	18.724	ug/l	99
85) sec-Butylbenzene	13.26	105	220493	18.970	ug/l	99
86) p-Isopropyltoluene	13.38	119	194159	18.956	ug/l	99
87) 1,3-Dichlorobenzene	13.38	146	92782	19.264	ug/l	98
88) 1,4-Dichlorobenzene	13.45	146	92923	19.258	ug/l	98
89) n-Butylbenzene	13.70	91	195723	19.367	ug/l	100
90) Hexachloroethane	13.97	117	35557	18.087	ug/l	98
91) 1,2-Dichlorobenzene	13.75	146	84808	19.430	ug/l	98
92) 1,2-Dibromo-3-Chloropropan	14.36	75	7266	17.839	ug/l	98

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.02	180	54751	18.614	ug/l	97
94) Hexachlorobutadiene	15.12	225	27484	18.411	ug/l	99
95) Naphthalene	15.24	128	125368	18.136	ug/l	99
96) 1,2,3-Trichlorobenzene	15.43	180	47942	18.465	ug/l	99

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

