

Data Path : Z:\VOASRV\HPCHEM1\MSVOA Y\DATA\VY021320\
 Data File : VY001625.D
 Acq On : 13 Feb 2020 12:49
 Operator : SY/MD
 Sample : VY0213SBS01
 Misc : 5.00G/5ML/MSVOA Y/SOIL
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 VY0213SBS01

Manual Integrations
 APPROVED

MMDadoda
 2/14/2020 5:27:14 PM

Quant Time: Feb 14 06:47:44 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	186976	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.71	114	329237	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.50	117	297290	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.44	152	142263	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.16	65	102038	54.20	ug/l	0.00
Spiked Amount	50.000		Recovery	=	108.40%	
35) Dibromofluoromethane	7.74	113	94262	49.65	ug/l	0.00
Spiked Amount	50.000		Recovery	=	99.30%	
50) Toluene-d8	10.19	98	379137	52.78	ug/l	0.00
Spiked Amount	50.000		Recovery	=	105.56%	
62) 4-Bromofluorobenzene	12.49	95	141515	50.01	ug/l	0.00
Spiked Amount	50.000		Recovery	=	100.02%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.91	85	31645	17.290	ug/l	98
3) Chloromethane	2.13	50	42661	22.301	ug/l	98
4) Vinyl Chloride	2.26	62	44527	22.417	ug/l	95
5) Bromomethane	2.66	94	29588	23.686	ug/l	97
6) Chloroethane	2.81	64	27454	22.930	ug/l	91
7) Trichlorofluoromethane	3.15	101	59452	18.082	ug/l	95
8) Diethyl Ether	3.55	74	22688	20.449	ug/l	87
9) 1,1,2-Trichlorotrifluoroet	3.93	101	37874	19.145	ug/l	98
10) Methyl Iodide	4.12	142	43764	17.362	ug/l	97
11) Tert butyl alcohol	5.00	59	29990	124.716	ug/l	97
12) 1,1-Dichloroethene	3.90	96	37142	18.894	ug/l	91
13) Acrolein	3.76	56	17034	95.558	ug/l	98
14) Allyl chloride	4.51	41	67016	22.285	ug/l	95
15) Acrylonitrile	5.20	53	63261	124.376	ug/l	99
16) Acetone	3.97	43	61105	112.211	ug/l	99
17) Carbon Disulfide	4.22	76	118706	18.969	ug/l	100
18) Methyl Acetate	4.50	43	32762	28.193	ug/l	92
19) Methyl tert-butyl Ether	5.25	73	106632	20.397	ug/l	98
20) Methylene Chloride	4.75	84	51661	21.538	ug/l	90
21) trans-1,2-Dichloroethene	5.25	96	42161	19.293	ug/l	95
22) Diisopropyl ether	6.15	45	139217	23.367	ug/l	96
23) Vinyl Acetate	6.09	43	455358	120.059	ug/l	94
24) 1,1-Dichloroethane	6.05	63	74125	20.684	ug/l	98
25) 2-Butanone	7.02	43	89410	126.558	ug/l	94
26) 2,2-Dichloropropane	7.02	77	65361	19.057	ug/l	100
27) cis-1,2-Dichloroethene	7.02	96	47684	19.977	ug/l	97
28) Bromochloromethane	7.36	49	27478	22.508	ug/l	87
29) Tetrahydrofuran	7.38	42	55912	132.042	ug/l	93
30) Chloroform	7.53	83	71403	19.670	ug/l	100
31) Cyclohexane	7.81	56	77122	21.038	ug/l	97
32) 1,1,1-Trichloroethane	7.72	97	61011	18.538	ug/l	96
36) 1,1-Dichloropropene	7.94	75	60306	20.023	ug/l	97
37) Ethyl Acetate	7.10	43	38143	26.160	ug/l #	94
38) Carbon Tetrachloride	7.93	117	53267	18.280	ug/l	98

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.20	83	77191	19.464	ug/l	97
40) Benzene	8.18	78	174381	20.298	ug/l	100
41) Methacrylonitrile	7.35	41	21223m	31.406	ug/l	
42) 1,2-Dichloroethane	8.26	62	48613	20.311	ug/l	99
43) Isopropyl Acetate	8.30	43	71430	24.743	ug/l #	94
44) Trichloroethene	8.96	130	44255	19.111	ug/l	93
45) 1,2-Dichloropropane	9.24	63	44694	21.545	ug/l	99
46) Dibromomethane	9.32	93	23408	20.095	ug/l	97
47) Bromodichloromethane	9.51	83	55959	19.716	ug/l	97
48) Methyl methacrylate	9.31	41	32367	24.703	ug/l	88
49) 1,4-Dioxane	9.32	88	6506	422.907	ug/l	93
51) 4-Methyl-2-Pentanone	10.08	43	184317	129.646	ug/l	95
52) Toluene	10.26	92	109700	20.125	ug/l	100
53) t-1,3-Dichloropropene	10.48	75	61571	19.917	ug/l	100
54) cis-1,3-Dichloropropene	9.94	75	69927	19.703	ug/l	96
55) 1,1,2-Trichloroethane	10.66	97	34866	20.861	ug/l	96
56) Ethyl methacrylate	10.52	69	52017	21.882	ug/l	92
57) 1,3-Dichloropropane	10.81	76	61053	20.723	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.80	63	93174	106.546	ug/l	96
59) 2-Hexanone	10.85	43	135216	130.808	ug/l	96
60) Dibromochloromethane	11.00	129	36257	18.404	ug/l	98
61) 1,2-Dibromoethane	11.10	107	33147	20.136	ug/l	100
64) Tetrachloroethene	10.73	164	35691	18.306	ug/l	97
65) Chlorobenzene	11.53	112	113378	19.423	ug/l	100
66) 1,1,1,2-Tetrachloroethane	11.60	131	38853	19.018	ug/l	98
67) Ethyl Benzene	11.60	91	212178	19.659	ug/l	99
68) m/p-Xylenes	11.71	106	160194	39.537	ug/l	97
69) o-Xylene	12.04	106	75344	19.723	ug/l	100
70) Styrene	12.06	104	130516	19.756	ug/l	99
71) Bromoform	12.22	173	21662	19.042	ug/l #	96
73) Isopropylbenzene	12.34	105	203055	18.714	ug/l	99
74) N-amyl acetate	12.16	43	66588	23.617	ug/l	95
75) 1,1,2,2-Tetrachloroethane	12.60	83	44658	21.663	ug/l	97
76) 1,2,3-Trichloropropane	12.64	75	31670m	20.701	ug/l	
77) Bromobenzene	12.62	156	44651	19.016	ug/l	97
78) n-propylbenzene	12.68	91	248387	19.122	ug/l	98
79) 2-Chlorotoluene	12.77	91	138704	18.733	ug/l	98
80) 1,3,5-Trimethylbenzene	12.83	105	171420	18.760	ug/l	99
81) trans-1,4-Dichloro-2-buten	12.39	75	15852	20.049	ug/l	94
82) 4-Chlorotoluene	12.87	91	144816	18.655	ug/l	99
83) tert-Butylbenzene	13.09	119	144099	18.656	ug/l	100
84) 1,2,4-Trimethylbenzene	13.13	105	170535	18.856	ug/l	98
85) sec-Butylbenzene	13.27	105	208335	19.185	ug/l	100
86) p-Isopropyltoluene	13.38	119	183897	19.217	ug/l	99
87) 1,3-Dichlorobenzene	13.38	146	89021	19.783	ug/l	98
88) 1,4-Dichlorobenzene	13.46	146	88575	19.647	ug/l	99
89) n-Butylbenzene	13.71	91	186667	19.770	ug/l	100
90) Hexachloroethane	13.97	117	33939	18.478	ug/l	99
91) 1,2-Dichlorobenzene	13.75	146	78848	19.335	ug/l	98
92) 1,2-Dibromo-3-Chloropropan	14.37	75	7562	19.871	ug/l	99

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.02	180	54104	19.688	ug/l	97
94) Hexachlorobutadiene	15.13	225	26817	19.227	ug/l	97
95) Naphthalene	15.25	128	126846	19.640	ug/l	100
96) 1,2,3-Trichlorobenzene	15.44	180	48169	19.857	ug/l	98

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

