

Data Path : Z:\VOASRV\HPCHEM1\MSVOA Y\DATA\VY020520\
 Data File : VY001501.D
 Acq On : 05 Feb 2020 12:46
 Operator : SY/MD
 Sample : VY0205SBS01
 Misc : 5.00G/5ML/MSVOA Y/SOIL
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 VY0205SBS01

Manual Integrations
 APPROVED

MMDadoda
 2/6/2020 12:46:53 PM

Quant Time: Feb 05 16:38:13 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	7.81	168	220550	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.71	114	393641	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.50	117	352572	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.44	152	164244	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	8.16	65	128561	57.89	ug/l	0.00
Spiked Amount			Recovery	=	115.78%	
35) Dibromofluoromethane	7.74	113	119542	52.66	ug/l	0.00
Spiked Amount			Recovery	=	105.32%	
50) Toluene-d8	10.19	98	485141	56.49	ug/l	0.00
Spiked Amount			Recovery	=	112.98%	
62) 4-Bromofluorobenzene	12.49	95	178041	52.62	ug/l	0.00
Spiked Amount			Recovery	=	105.24%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	1.91	85	42863	19.854	ug/l	98
3) Chloromethane	2.13	50	54982	24.367	ug/l	94
4) Vinyl Chloride	2.27	62	56000	23.902	ug/l	94
5) Bromomethane	2.66	94	33853	22.975	ug/l	100
6) Chloroethane	2.81	64	32785	23.214	ug/l	95
7) Trichlorofluoromethane	3.15	101	82616	21.303	ug/l	98
8) Diethyl Ether	3.55	74	29894	22.842	ug/l	93
9) 1,1,2-Trichlorotrifluoroet	3.93	101	50451	21.621	ug/l	98
10) Methyl Iodide	4.11	142	57333	19.283	ug/l	99
11) Tert butyl alcohol	4.98	59	34340	119.923	ug/l #	76
12) 1,1-Dichloroethene	3.90	96	49914	21.526	ug/l	92
13) Acrolein	3.75	56	26183	124.523	ug/l	99
14) Allyl chloride	4.51	41	84490	23.819	ug/l	95
15) Acrylonitrile	5.19	53	74464	124.115	ug/l	100
16) Acetone	3.97	43	69445	108.113	ug/l	98
17) Carbon Disulfide	4.22	76	166236	22.520	ug/l	99
18) Methyl Acetate	4.51	43	35380	25.811	ug/l	98
19) Methyl tert-butyl Ether	5.25	73	142072	23.039	ug/l	99
20) Methylene Chloride	4.74	84	61688	21.868	ug/l	94
21) trans-1,2-Dichloroethene	5.25	96	56636	21.971	ug/l	95
22) Diisopropyl ether	6.14	45	169246	24.082	ug/l	98
23) Vinyl Acetate	6.08	43	551402	123.250	ug/l	96
24) 1,1-Dichloroethane	6.05	63	95928	22.693	ug/l	97
25) 2-Butanone	7.02	43	99363	119.235	ug/l	98
26) 2,2-Dichloropropane	7.00	77	87922	21.732	ug/l	99
27) cis-1,2-Dichloroethene	7.01	96	62413	22.168	ug/l	97
28) Bromochloromethane	7.36	49	31099	21.596	ug/l	93
29) Tetrahydrofuran	7.37	42	64517	129.170	ug/l	97
30) Chloroform	7.53	83	95676	22.345	ug/l	96
31) Cyclohexane	7.80	56	98590	22.800	ug/l	99
32) 1,1,1-Trichloroethane	7.72	97	83857	21.601	ug/l	99
36) 1,1-Dichloropropene	7.94	75	78186	21.712	ug/l	99
37) Ethyl Acetate	7.10	43	44021	25.252	ug/l	97
38) Carbon Tetrachloride	7.92	117	72974	20.945	ug/l	99

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.20	83	103328	21.792	ug/l	99
40) Benzene	8.18	78	223857	21.794	ug/l	99
41) Methacrylonitrile	7.34	41	19618m	24.281	ug/l	
42) 1,2-Dichloroethane	8.25	62	62606	21.878	ug/l	100
43) Isopropyl Acetate	8.29	43	83610	24.224	ug/l	97
44) Trichloroethene	8.96	130	57151	20.642	ug/l	95
45) 1,2-Dichloropropane	9.23	63	56045	22.596	ug/l	99
46) Dibromomethane	9.32	93	30351	21.792	ug/l	98
47) Bromodichloromethane	9.51	83	73037	21.523	ug/l	97
48) Methyl methacrylate	9.31	41	37733	24.087	ug/l	95
49) 1,4-Dioxane	9.32	88	8118	441.355	ug/l	91
51) 4-Methyl-2-Pentanone	10.08	43	212369	124.938	ug/l	98
52) Toluene	10.25	92	142920	21.929	ug/l	99
53) t-1,3-Dichloropropene	10.48	75	81968	22.177	ug/l	100
54) cis-1,3-Dichloropropene	9.94	75	93848	22.117	ug/l	99
55) 1,1,2-Trichloroethane	10.66	97	44894	22.467	ug/l	98
56) Ethyl methacrylate	10.52	69	66068	23.246	ug/l	98
57) 1,3-Dichloropropane	10.80	76	79022	22.434	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.80	63	113106	108.177	ug/l	96
59) 2-Hexanone	10.85	43	151940	122.938	ug/l	99
60) Dibromochloromethane	11.00	129	50089	21.265	ug/l	99
61) 1,2-Dibromoethane	11.10	107	44266	22.491	ug/l	96
64) Tetrachloroethene	10.73	164	46576	20.144	ug/l	99
65) Chlorobenzene	11.53	112	145833	21.066	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.60	131	51367	21.201	ug/l	98
67) Ethyl Benzene	11.60	91	274281	21.428	ug/l	98
68) m/p-Xylenes	11.71	106	205318	42.729	ug/l	100
69) o-Xylene	12.04	106	96446	21.288	ug/l	98
70) Styrene	12.05	104	168872	21.554	ug/l	99
71) Bromoform	12.22	173	28917	21.434	ug/l	# 98
73) Isopropylbenzene	12.34	105	261634	20.886	ug/l	99
74) N-amyl acetate	12.16	43	75630	23.234	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.60	83	55061	23.135	ug/l	99
76) 1,2,3-Trichloropropane	12.64	75	39010m	22.086	ug/l	
77) Bromobenzene	12.62	156	56507	20.844	ug/l	94
78) n-propylbenzene	12.68	91	319960	21.336	ug/l	99
79) 2-Chlorotoluene	12.77	91	180720	21.141	ug/l	100
80) 1,3,5-Trimethylbenzene	12.82	105	223232	21.160	ug/l	99
81) trans-1,4-Dichloro-2-buten	12.39	75	20974	22.977	ug/l	97
82) 4-Chlorotoluene	12.86	91	191410	21.357	ug/l	99
83) tert-Butylbenzene	13.09	119	189622	21.265	ug/l	100
84) 1,2,4-Trimethylbenzene	13.13	105	222396	21.300	ug/l	99
85) sec-Butylbenzene	13.27	105	272102	21.703	ug/l	99
86) p-Isopropyltoluene	13.38	119	238523	21.589	ug/l	99
87) 1,3-Dichlorobenzene	13.38	146	111862	21.531	ug/l	100
88) 1,4-Dichlorobenzene	13.45	146	110448	21.221	ug/l	98
89) n-Butylbenzene	13.70	91	239464	21.967	ug/l	100
90) Hexachloroethane	13.97	117	45923	21.656	ug/l	96
91) 1,2-Dichlorobenzene	13.75	146	98892	21.005	ug/l	98
92) 1,2-Dibromo-3-Chloropropan	14.37	75	9848	22.414	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	68313	21.531	ug/l	99
94) Hexachlorobutadiene	15.13	225	33764	20.968	ug/l	99
95) Naphthalene	15.25	128	159408	21.378	ug/l	99
96) 1,2,3-Trichlorobenzene	15.44	180	59371	21.199	ug/l	99

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

