

Data Path : Z:\VOASRV\HPCHEM1\MSVOA Y\DATA\VY011420\
 Data File : VY001192.D
 Acq On : 14 Jan 2020 10:39
 Operator : SY/MD
 Sample : VY0114SBS01
 Misc : 5.00G/5ML/MSVOA Y/SOIL
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 VY0114SBS01

Manual Integrations
 APPROVED

MMDadoda
 1/15/2020 9:30:21 AM

Quant Time: Jan 15 02:30:04 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	200142	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.69	114	344960	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.49	117	307240	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.42	152	147012	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	101404	47.97	ug/l	0.00
Spiked Amount						
			Recovery	=	95.94%	
35) Dibromofluoromethane	7.72	113	95951	47.51	ug/l	0.00
Spiked Amount						
			Recovery	=	95.02%	
50) Toluene-d8	10.18	98	391885	50.36	ug/l	0.00
Spiked Amount						
			Recovery	=	100.72%	
62) 4-Bromofluorobenzene	12.48	95	148050	46.53	ug/l	0.00
Spiked Amount						
			Recovery	=	93.06%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	1.91	85	34448	22.411	ug/l	97
3) Chloromethane	2.12	50	45787	20.666	ug/l	98
4) Vinyl Chloride	2.26	62	49546	22.198	ug/l	93
5) Bromomethane	2.65	94	31778	26.505	ug/l	94
6) Chloroethane	2.80	64	31030	24.063	ug/l	100
7) Trichlorofluoromethane	3.13	101	62957	20.264	ug/l	98
8) Diethyl Ether	3.54	74	25504	21.126	ug/l	95
9) 1,1,2-Trichlorotrifluoroet	3.90	101	40616	20.309	ug/l	99
10) Methyl Iodide	4.10	142	53176	19.426	ug/l	99
11) Tert butyl alcohol	4.97	59	24897	117.062	ug/l	97
12) 1,1-Dichloroethene	3.88	96	43427	21.225	ug/l	93
13) Acrolein	3.74	56	18415	96.178	ug/l	97
14) Allyl chloride	4.49	41	73084	21.164	ug/l	100
15) Acrylonitrile	5.18	53	64360	106.596	ug/l	98
16) Acetone	3.96	43	51347	104.593	ug/l	96
17) Carbon Disulfide	4.20	76	139776	21.108	ug/l	99
18) Methyl Acetate	4.49	43	34215	21.080	ug/l	99
19) Methyl tert-butyl Ether	5.23	73	118612	20.958	ug/l	97
20) Methylene Chloride	4.72	84	50582	18.646	ug/l	97
21) trans-1,2-Dichloroethene	5.23	96	48590	20.944	ug/l	93
22) Diisopropyl ether	6.13	45	148052	20.991	ug/l	98
23) Vinyl Acetate	6.07	43	481465	106.737	ug/l	100
24) 1,1-Dichloroethane	6.03	63	81901	21.211	ug/l	99
25) 2-Butanone	7.00	43	85552	111.972	ug/l	100
26) 2,2-Dichloropropane	6.99	77	74356	20.941	ug/l	99
27) cis-1,2-Dichloroethene	7.00	96	55340	21.769	ug/l	98
28) Bromochloromethane	7.35	49	28981	18.278	ug/l	98
29) Tetrahydrofuran	7.36	42	57524	109.861	ug/l	98
30) Chloroform	7.52	83	78369	20.714	ug/l	99
31) Cyclohexane	7.79	56	82336	20.139	ug/l	96
32) 1,1,1-Trichloroethane	7.71	97	68376	20.369	ug/l	99
36) 1,1-Dichloropropene	7.93	75	64870	20.632	ug/l	100
37) Ethyl Acetate	7.08	43	37330	20.231	ug/l	99
38) Carbon Tetrachloride	7.91	117	59629	20.694	ug/l	94

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.19	83	85449	20.047	ug/l	99
40) Benzene	8.17	78	196757	21.438	ug/l	100
41) Methacrylonitrile	7.34	41	26085m	30.095	ug/l	
42) 1,2-Dichloroethane	8.25	62	52937	20.599	ug/l	98
43) Isopropyl Acetate	8.28	43	75122	21.291	ug/l	99
44) Trichloroethene	8.94	130	51036	21.341	ug/l	98
45) 1,2-Dichloropropane	9.22	63	49043	21.615	ug/l	99
46) Dibromomethane	9.31	93	26189	21.155	ug/l	99
47) Bromodichloromethane	9.50	83	63430	21.024	ug/l	99
48) Methyl methacrylate	9.30	41	34346	21.035	ug/l	97
49) 1,4-Dioxane	9.30	88	6764	448.650	ug/l #	95
51) 4-Methyl-2-Pentanone	10.07	43	189096	105.620	ug/l	100
52) Toluene	10.24	92	123747	21.140	ug/l	100
53) t-1,3-Dichloropropene	10.47	75	71039	21.042	ug/l	99
54) cis-1,3-Dichloropropene	9.93	75	80620	21.180	ug/l	99
55) 1,1,2-Trichloroethane	10.64	97	39187	21.352	ug/l	97
56) Ethyl methacrylate	10.51	69	59055	21.035	ug/l	98
57) 1,3-Dichloropropane	10.79	76	67725	21.495	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.78	63	107557	108.930	ug/l	100
59) 2-Hexanone	10.83	43	135444	107.947	ug/l	100
60) Dibromochloromethane	10.99	129	44255	20.943	ug/l	99
61) 1,2-Dibromoethane	11.09	107	37266	20.795	ug/l	98
64) Tetrachloroethene	10.72	164	41342	20.874	ug/l	97
65) Chlorobenzene	11.52	112	130362	21.235	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.59	131	45337	21.427	ug/l	99
67) Ethyl Benzene	11.59	91	238166	21.207	ug/l	100
68) m/p-Xylenes	11.70	106	181741	42.899	ug/l	99
69) o-Xylene	12.03	106	87459	21.532	ug/l	98
70) Styrene	12.04	104	150794	21.158	ug/l	97
71) Bromoform	12.20	173	27223	20.863	ug/l #	100
73) Isopropylbenzene	12.33	105	228010	20.631	ug/l	100
74) N-amyl acetate	12.14	43	70948	20.570	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.58	83	48312	20.777	ug/l	98
76) 1,2,3-Trichloropropane	12.63	75	33774m	21.460	ug/l	
77) Bromobenzene	12.61	156	52263	21.401	ug/l	95
78) n-propylbenzene	12.67	91	274464	20.646	ug/l	99
79) 2-Chlorotoluene	12.75	91	157269	20.599	ug/l	99
80) 1,3,5-Trimethylbenzene	12.81	105	192384	20.863	ug/l	98
81) trans-1,4-Dichloro-2-buten	12.38	75	18758	20.212	ug/l #	99
82) 4-Chlorotoluene	12.85	91	166009	20.368	ug/l	98
83) tert-Butylbenzene	13.07	119	165483	21.357	ug/l	97
84) 1,2,4-Trimethylbenzene	13.12	105	194759	21.268	ug/l	99
85) sec-Butylbenzene	13.25	105	231090	20.731	ug/l	99
86) p-Isopropyltoluene	13.37	119	207999	21.491	ug/l	98
87) 1,3-Dichlorobenzene	13.36	146	101742	22.029	ug/l	99
88) 1,4-Dichlorobenzene	13.44	146	101958	21.450	ug/l	99
89) n-Butylbenzene	13.70	91	205146	21.045	ug/l	99
90) Hexachloroethane	13.96	117	38984	20.614	ug/l	96
91) 1,2-Dichlorobenzene	13.74	146	93420	21.765	ug/l	98
92) 1,2-Dibromo-3-Chloropropan	14.36	75	8424	20.084	ug/l	97

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.01	180	62710	22.174	ug/l	100
94) Hexachlorobutadiene	15.11	225	31052	21.795	ug/l	98
95) Naphthalene	15.23	128	140014	21.266	ug/l	99
96) 1,2,3-Trichlorobenzene	15.42	180	54512	21.871	ug/l	98

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

