

Data Path : Z:\VOASRV\HPCHEM1\MSVOA Y\DATA\VY030920\
 Data File : VY001906.D
 Acq On : 09 Mar 2020 13:02
 Operator : SY/MD
 Sample : VY0309SBS01
 Misc : 5.00G/5ML/MSVOA Y/SOIL
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 VY0309SBS01

Manual Integrations
 APPROVED

MMDadoda
 3/10/2020 2:56:45 PM

Quant Time: Mar 10 12:04:23 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_Y\METHODS\82Y030420S.M
 Quant Title : SW846 8260
 QLast Update : Thu Mar 05 04:05:33 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.80	168	170978	50.00	ug/l	-0.02
34) 1,4-Difluorobenzene	8.69	114	314268	50.00	ug/l	-0.02
63) Chlorobenzene-d5	11.49	117	282999	50.00	ug/l	-0.01
72) 1,4-Dichlorobenzene-d4	13.42	152	132698	50.00	ug/l	-0.01
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.14	65	93713	51.34	ug/l	-0.02
Spiked Amount 50.000			Recovery	=	102.68%	
35) Dibromofluoromethane	7.72	113	86175	50.22	ug/l	-0.02
Spiked Amount 50.000			Recovery	=	100.44%	
50) Toluene-d8	10.18	98	359741	49.71	ug/l	-0.01
Spiked Amount 50.000			Recovery	=	99.42%	
62) 4-Bromofluorobenzene	12.48	95	126478	50.27	ug/l	-0.01
Spiked Amount 50.000			Recovery	=	100.54%	
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.91	85	31626	20.039	ug/l	100
3) Chloromethane	2.12	50	44664	20.990	ug/l	98
4) Vinyl Chloride	2.26	62	43636	20.161	ug/l	98
5) Bromomethane	2.65	94	29450	19.756	ug/l	97
6) Chloroethane	2.79	64	28115	20.679	ug/l	98
7) Trichlorofluoromethane	3.13	101	59756	20.358	ug/l	97
8) Diethyl Ether	3.54	74	25011	21.619	ug/l	100
9) 1,1,2-Trichlorotrifluoroet	3.90	101	39300	20.816	ug/l	99
10) Methyl Iodide	4.10	142	41440	18.980	ug/l	99
11) Tert butyl alcohol	4.95	59	36444	186.089	ug/l #	91
12) 1,1-Dichloroethene	3.88	96	40094	21.091	ug/l	98
13) Acrolein	3.74	56	26437	103.069	ug/l	97
14) Allyl chloride	4.49	41	70653	20.965	ug/l	98
15) Acrylonitrile	5.18	53	66080	106.890	ug/l	99
16) Acetone	3.96	43	55286	103.992	ug/l	100
17) Carbon Disulfide	4.20	76	130930	20.489	ug/l	99
18) Methyl Acetate	4.49	43	29323	21.466	ug/l	99
19) Methyl tert-butyl Ether	5.24	73	109395	21.236	ug/l	100
20) Methylene Chloride	4.72	84	48151	21.133	ug/l	99
21) trans-1,2-Dichloroethene	5.23	96	44860	20.791	ug/l	97
22) Diisopropyl ether	6.13	45	143318	20.747	ug/l	96
23) Vinyl Acetate	6.07	43	480447	106.090	ug/l	99
24) 1,1-Dichloroethane	6.03	63	77172	20.629	ug/l	97
25) 2-Butanone	6.99	43	87644	108.406	ug/l	96
26) 2,2-Dichloropropane	6.99	77	65909	21.466	ug/l	99
27) cis-1,2-Dichloroethene	6.99	96	48528	20.676	ug/l	96
28) Bromochloromethane	7.34	49	35435	21.015	ug/l	99
29) Tetrahydrofuran	7.35	42	56576	105.379	ug/l	99
30) Chloroform	7.52	83	73130	20.807	ug/l	100
31) Cyclohexane	7.79	56	82040	20.453	ug/l	98
32) 1,1,1-Trichloroethane	7.71	97	61884	20.890	ug/l	99
36) 1,1-Dichloropropene	7.92	75	62230	20.577	ug/l	99
37) Ethyl Acetate	7.08	43	37875	21.548	ug/l	99
38) Carbon Tetrachloride	7.91	117	52845	20.455	ug/l	96

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.19	83	81986	20.440	ug/l	97
40) Benzene	8.16	78	184078	20.536	ug/l	97
41) Methacrylonitrile	7.33	41	22335m	28.236	ug/l	
42) 1,2-Dichloroethane	8.24	62	48769	21.114	ug/l	98
43) Isopropyl Acetate	8.28	43	70112	21.069	ug/l	99
44) Trichloroethene	8.94	130	44841	20.540	ug/l	98
45) 1,2-Dichloropropane	9.22	63	46647	20.701	ug/l	98
46) Dibromomethane	9.31	93	24451	21.057	ug/l	97
47) Bromodichloromethane	9.50	83	56589	20.950	ug/l	94
48) Methyl methacrylate	9.30	41	31615	21.410	ug/l	97
49) 1,4-Dioxane	9.30	88	6726	422.719	ug/l	94
51) 4-Methyl-2-Pentanone	10.07	43	182344	106.382	ug/l	99
52) Toluene	10.24	92	112441	20.649	ug/l	99
53) t-1,3-Dichloropropene	10.47	75	61470	20.888	ug/l	100
54) cis-1,3-Dichloropropene	9.93	75	72623	20.729	ug/l	99
55) 1,1,2-Trichloroethane	10.64	97	35104	20.657	ug/l	97
56) Ethyl methacrylate	10.51	69	52510	21.081	ug/l	98
57) 1,3-Dichloropropane	10.79	76	63104	20.832	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.78	63	134185	139.950	ug/l	100
59) 2-Hexanone	10.83	43	128609	105.124	ug/l	99
60) Dibromochloromethane	10.99	129	36850	20.578	ug/l	99
61) 1,2-Dibromoethane	11.09	107	33886	21.050	ug/l	98
64) Tetrachloroethene	10.72	164	36782	20.725	ug/l	93
65) Chlorobenzene	11.52	112	114651	20.332	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.59	131	39269	21.236	ug/l	99
67) Ethyl Benzene	11.60	91	214668	20.413	ug/l	100
68) m/p-Xylenes	11.71	106	159212	40.949	ug/l	99
69) o-Xylene	12.03	106	75835	20.694	ug/l	99
70) Styrene	12.05	104	131209	20.905	ug/l	99
71) Bromoform	12.21	173	21018	20.959	ug/l #	100
73) Isopropylbenzene	12.33	105	203140	20.054	ug/l	98
74) N-amyl acetate	12.14	43	65061	20.898	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.58	83	44755	20.488	ug/l	100
76) 1,2,3-Trichloropropane	12.64	75	33858m	21.503	ug/l	
77) Bromobenzene	12.61	156	44393	20.684	ug/l	96
78) n-propylbenzene	12.67	91	254730	20.383	ug/l	100
79) 2-Chlorotoluene	12.76	91	138275	20.027	ug/l	99
80) 1,3,5-Trimethylbenzene	12.81	105	171929	20.617	ug/l	98
81) trans-1,4-Dichloro-2-buten	12.38	75	15656	20.085	ug/l	96
82) 4-Chlorotoluene	12.86	91	146353	20.358	ug/l	99
83) tert-Butylbenzene	13.08	119	142155	20.524	ug/l	98
84) 1,2,4-Trimethylbenzene	13.12	105	168996	20.420	ug/l	99
85) sec-Butylbenzene	13.25	105	211359	20.702	ug/l	100
86) p-Isopropyltoluene	13.37	119	185213	21.030	ug/l	100
87) 1,3-Dichlorobenzene	13.37	146	86766	20.631	ug/l	98
88) 1,4-Dichlorobenzene	13.45	146	87197	20.437	ug/l	97
89) n-Butylbenzene	13.70	91	189273	20.715	ug/l	100
90) Hexachloroethane	13.96	117	33850	20.374	ug/l	98
91) 1,2-Dichlorobenzene	13.74	146	78601	20.572	ug/l	100
92) 1,2-Dibromo-3-Chloropropan	14.36	75	7060	20.711	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	53258	21.494	ug/l	100
94) Hexachlorobutadiene	15.11	225	25967	21.495	ug/l	97
95) Naphthalene	15.24	128	121944	20.748	ug/l	99
96) 1,2,3-Trichlorobenzene	15.42	180	46641	21.367	ug/l	99

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

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