

Data Path : Z:\VOASRV\HPCHEM1\MSVOA Y\DATA\VY050120\
 Data File : VY002523.D
 Acq On : 01 May 2020 12:53
 Operator : SY/MD
 Sample : VY0501SBS01
 Misc : 5.00G/5ML/MSVOA Y/SOIL
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 VY0501SBS01

Manual Integrations
 APPROVED

MMDadoda
 5/4/2020 2:19:15 PM

Quant Time: May 01 19:27:03 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_Y\METHODS\82Y043020S.M
 Quant Title : SW846 8260
 QLast Update : Fri May 01 17:41:53 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.80	168	405770	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.70	114	600978	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.49	117	540096	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.42	152	282074	50.00	ug/l	-0.01

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	8.15	65	170830	50.07	ug/l	-0.01
Spiked Amount	50.000		Recovery	=	100.14%	
35) Dibromofluoromethane	7.73	113	170975	49.75	ug/l	0.00
Spiked Amount	50.000		Recovery	=	99.50%	
50) Toluene-d8	10.19	98	675626	50.34	ug/l	0.00
Spiked Amount	50.000		Recovery	=	100.68%	
62) 4-Bromofluorobenzene	12.48	95	228798	50.24	ug/l	-0.01
Spiked Amount	50.000		Recovery	=	100.48%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	1.91	85	51550	16.611	ug/l	95
3) Chloromethane	2.12	50	60839	18.506	ug/l	99
4) Vinyl Chloride	2.26	62	71774	18.908	ug/l	100
5) Bromomethane	2.64	94	49105	18.758	ug/l	93
6) Chloroethane	2.80	64	44748	19.742	ug/l	99
7) Trichlorofluoromethane	3.13	101	116005	19.718	ug/l	94
8) Diethyl Ether	3.54	74	39786	20.124	ug/l	98
9) 1,1,2-Trichlorotrifluoroet	3.91	101	72303	20.108	ug/l	99
10) Methyl Iodide	4.10	142	95214	19.436	ug/l	100
11) Tert butyl alcohol	4.97	59	42386	120.753	ug/l	98
12) 1,1-Dichloroethene	3.88	96	69731	19.963	ug/l	97
13) Acrolein	3.74	56	22977	94.662	ug/l	98
14) Allyl chloride	4.49	41	103568	20.349	ug/l	99
15) Acrylonitrile	5.18	53	99066	106.254	ug/l	99
16) Acetone	3.96	43	83858	119.096	ug/l	97
17) Carbon Disulfide	4.21	76	195723	18.625	ug/l	97
18) Methyl Acetate	4.49	43	48871	20.773	ug/l	99
19) Methyl tert-butyl Ether	5.24	73	188063	20.636	ug/l	98
20) Methylene Chloride	4.73	84	84407	21.437	ug/l	99
21) trans-1,2-Dichloroethene	5.24	96	77008	20.170	ug/l	94
22) Diisopropyl ether	6.13	45	216734	21.046	ug/l	98
23) Vinyl Acetate	6.08	43	683196	105.492	ug/l	100
24) 1,1-Dichloroethane	6.04	63	125006	20.519	ug/l	100
25) 2-Butanone	7.00	43	127760	110.845	ug/l	95
26) 2,2-Dichloropropane	6.99	77	119920	20.709	ug/l	99
27) cis-1,2-Dichloroethene	7.00	96	85675	20.281	ug/l	97
28) Bromochloromethane	7.35	49	49456	19.813	ug/l	99
29) Tetrahydrofuran	7.36	42	84225	110.448	ug/l	99
30) Chloroform	7.52	83	131523	20.763	ug/l	99
31) Cyclohexane	7.80	56	120679	19.679	ug/l	97
32) 1,1,1-Trichloroethane	7.71	97	119627	20.318	ug/l	99
36) 1,1-Dichloropropene	7.93	75	102950	20.434	ug/l	99
37) Ethyl Acetate	7.09	43	57874	22.354	ug/l	99
38) Carbon Tetrachloride	7.91	117	111139	20.206	ug/l	99

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.19	83	130600	19.626	ug/l	97
40) Benzene	8.17	78	293678	20.183	ug/l	99
41) Methacrylonitrile	7.34	41	34116m	23.739	ug/l	
42) 1,2-Dichloroethane	8.25	62	83336	20.418	ug/l	98
43) Isopropyl Acetate	8.28	43	104364	21.503	ug/l	99
44) Trichloroethene	8.95	130	91574	20.138	ug/l	97
45) 1,2-Dichloropropane	9.22	63	72084	20.526	ug/l	99
46) Dibromomethane	9.31	93	41932	20.753	ug/l	99
47) Bromodichloromethane	9.50	83	100707	20.498	ug/l	98
48) Methyl methacrylate	9.30	41	46452	21.148	ug/l	100
49) 1,4-Dioxane	9.30	88	12503	467.353	ug/l	97
51) 4-Methyl-2-Pentanone	10.08	43	277492	110.922	ug/l	100
52) Toluene	10.25	92	190054	20.323	ug/l	99
53) t-1,3-Dichloropropene	10.47	75	106305	20.651	ug/l	99
54) cis-1,3-Dichloropropene	9.93	75	121283	20.380	ug/l	97
55) 1,1,2-Trichloroethane	10.65	97	61532	20.883	ug/l	98
56) Ethyl methacrylate	10.52	69	83998	21.429	ug/l	99
57) 1,3-Dichloropropane	10.80	76	103706	20.754	ug/l	98
58) 2-Chloroethyl Vinyl ether	9.79	63	210062	101.621	ug/l	99
59) 2-Hexanone	10.83	43	191257	111.077	ug/l	99
60) Dibromochloromethane	10.99	129	77043	20.558	ug/l	99
61) 1,2-Dibromoethane	11.09	107	60113	20.604	ug/l	98
64) Tetrachloroethene	10.72	164	98732	20.575	ug/l	99
65) Chlorobenzene	11.52	112	209443	20.399	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.59	131	79584	20.881	ug/l	99
67) Ethyl Benzene	11.60	91	371818	20.616	ug/l	98
68) m/p-Xylenes	11.70	106	285797	40.956	ug/l	99
69) o-Xylene	12.03	106	137222	21.002	ug/l	97
70) Styrene	12.05	104	233041	20.864	ug/l	99
71) Bromoform	12.21	173	50144	21.198	ug/l #	99
73) Isopropylbenzene	12.33	105	371202	20.305	ug/l	100
74) N-amyl acetate	12.14	43	93329	21.223	ug/l	98
75) 1,1,2,2-Tetrachloroethane	12.58	83	61370	21.109	ug/l	98
76) 1,2,3-Trichloropropane	12.64	75	52661m	21.639	ug/l	
77) Bromobenzene	12.61	156	92528	20.259	ug/l	98
78) n-propylbenzene	12.67	91	436248	20.563	ug/l	99
79) 2-Chlorotoluene	12.76	91	239761	20.403	ug/l	99
80) 1,3,5-Trimethylbenzene	12.81	105	307873	20.317	ug/l	99
81) trans-1,4-Dichloro-2-buten	12.38	75	26260	21.006	ug/l #	94
82) 4-Chlorotoluene	12.86	91	252754	20.476	ug/l	99
83) tert-Butylbenzene	13.08	119	273326	20.571	ug/l	99
84) 1,2,4-Trimethylbenzene	13.12	105	312956	20.722	ug/l	100
85) sec-Butylbenzene	13.25	105	382524	20.747	ug/l	100
86) p-Isopropyltoluene	13.37	119	355193	20.560	ug/l	99
87) 1,3-Dichlorobenzene	13.37	146	175710	20.326	ug/l	100
88) 1,4-Dichlorobenzene	13.45	146	176808	20.656	ug/l	99
89) n-Butylbenzene	13.70	91	328058	20.860	ug/l	100
90) Hexachloroethane	13.96	117	64352	20.455	ug/l	96
91) 1,2-Dichlorobenzene	13.74	146	158721	20.577	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.36	75	11806	21.784	ug/l	98

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.01	180	117222	20.932	ug/l	99
94) Hexachlorobutadiene	15.11	225	68760	20.455	ug/l	99
95) Naphthalene	15.24	128	219834	21.519	ug/l	100
96) 1,2,3-Trichlorobenzene	15.42	180	100324	21.103	ug/l	100

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

