

Data Path : Z:\VOASRV\HPCHEM1\MSVOA Y\DATA\VY061020\
 Data File : VY002875.D
 Acq On : 10 Jun 2020 11:43
 Operator : SY/MD
 Sample : VY0610SBS01
 Misc : 5.00G/5ML/MSVOA Y/SOIL
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 VY0610SBS01

Quant Time: Jun 11 02:19:17 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_Y\METHODS\82Y052720S.M
 Quant Title : SW846 8260
 QLast Update : Wed May 27 13:13:33 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.80	168	282828	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.69	114	420337	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.49	117	391726	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.42	152	216719	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	119972	48.85	ug/l	0.00
Spiked Amount			Recovery	=	97.70%	
35) Dibromofluoromethane	7.72	113	122791	49.85	ug/l	0.00
Spiked Amount			Recovery	=	99.70%	
50) Toluene-d8	10.18	98	481710	48.36	ug/l	0.00
Spiked Amount			Recovery	=	96.72%	
62) 4-Bromofluorobenzene	12.48	95	167973	49.35	ug/l	0.00
Spiked Amount			Recovery	=	98.70%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	1.91	85	37865	19.457	ug/l	97
3) Chloromethane	2.12	50	42233	19.620	ug/l	98
4) Vinyl Chloride	2.26	62	46380	20.385	ug/l	99
5) Bromomethane	2.65	94	35963	21.093	ug/l	98
6) Chloroethane	2.80	64	31087	21.077	ug/l	99
7) Trichlorofluoromethane	3.13	101	87468	21.706	ug/l	98
8) Diethyl Ether	3.54	74	31383	19.946	ug/l	100
9) 1,1,2-Trichlorotrifluoroet	3.91	101	51952	21.714	ug/l	98
10) Methyl Iodide	4.10	142	68792	20.549	ug/l	99
11) Tert butyl alcohol	4.96	59	31340	111.673	ug/l	98
12) 1,1-Dichloroethene	3.88	96	51032	21.210	ug/l	98
13) Acrolein	3.74	56	22471	78.083	ug/l	98
14) Allyl chloride	4.49	41	74072	21.465	ug/l	99
15) Acrylonitrile	5.18	53	76915	108.357	ug/l	99
16) Acetone	3.96	43	62317	108.220	ug/l	99
17) Carbon Disulfide	4.20	76	147236	20.250	ug/l	100
18) Methyl Acetate	4.48	43	36977	25.109	ug/l	99
19) Methyl tert-butyl Ether	5.23	73	143177	21.555	ug/l	99
20) Methylene Chloride	4.72	84	65480	23.269	ug/l	99
21) trans-1,2-Dichloroethene	5.22	96	57367	21.201	ug/l	98
22) Diisopropyl ether	6.13	45	156389	21.808	ug/l	93
23) Vinyl Acetate	6.07	43	507121	107.112	ug/l	100
24) 1,1-Dichloroethane	6.03	63	90248	21.514	ug/l	98
25) 2-Butanone	7.00	43	96894	108.001	ug/l	100
26) 2,2-Dichloropropane	6.99	77	86307	21.453	ug/l	99
27) cis-1,2-Dichloroethene	6.99	96	64359	21.247	ug/l	98
28) Bromochloromethane	7.34	49	39745	23.080	ug/l	100
29) Tetrahydrofuran	7.36	42	62898	107.782	ug/l	99
30) Chloroform	7.52	83	95844	21.531	ug/l	94
31) Cyclohexane	7.78	56	85541	20.538	ug/l	98
32) 1,1,1-Trichloroethane	7.71	97	87633	21.126	ug/l	99
36) 1,1-Dichloropropene	7.92	75	74715	21.101	ug/l	99
37) Ethyl Acetate	7.08	43	42315	21.965	ug/l	99
38) Carbon Tetrachloride	7.91	117	82753	21.038	ug/l	98

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39) Methylcyclohexane	9.19	83	97537	20.899	ug/l	98
40) Benzene	8.16	78	222708	21.287	ug/l	100
41) Methacrylonitrile	7.34	41	29405m	28.412	ug/l	
42) 1,2-Dichloroethane	8.24	62	62926	21.461	ug/l	99
43) Isopropyl Acetate	8.28	43	78571	21.522	ug/l	100
44) Trichloroethene	8.94	130	68158	20.624	ug/l	95
45) 1,2-Dichloropropane	9.22	63	53230	21.216	ug/l	94
46) Dibromomethane	9.31	93	31755	21.311	ug/l	99
47) Bromodichloromethane	9.50	83	74841	21.305	ug/l	99
48) Methyl methacrylate	9.30	41	34550	20.965	ug/l	99
49) 1,4-Dioxane	9.31	88	9314	407.092	ug/l	98
51) 4-Methyl-2-Pentanone	10.07	43	215727	111.595	ug/l	100
52) Toluene	10.24	92	144804	21.157	ug/l	99
53) t-1,3-Dichloropropene	10.47	75	82837	21.590	ug/l	99
54) cis-1,3-Dichloropropene	9.93	75	91980	21.157	ug/l	99
55) 1,1,2-Trichloroethane	10.64	97	48637	21.321	ug/l	95
56) Ethyl methacrylate	10.51	69	64901	21.241	ug/l	99
57) 1,3-Dichloropropane	10.79	76	81513	21.724	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.78	63	163450	109.477	ug/l	100
59) 2-Hexanone	10.83	43	149121	108.720	ug/l	99
60) Dibromochloromethane	10.99	129	62493	21.608	ug/l	100
61) 1,2-Dibromoethane	11.09	107	48042	21.349	ug/l	99
64) Tetrachloroethene	10.72	164	72537	20.374	ug/l	98
65) Chlorobenzene	11.52	112	163297	21.091	ug/l	98
66) 1,1,1,2-Tetrachloroethane	11.59	131	62613	21.472	ug/l	99
67) Ethyl Benzene	11.59	91	283506	21.122	ug/l	99
68) m/p-Xylenes	11.70	106	220781	42.424	ug/l	100
69) o-Xylene	12.03	106	106276	21.632	ug/l	99
70) Styrene	12.04	104	183117	21.501	ug/l	99
71) Bromoform	12.20	173	41746	21.395	ug/l #	98
73) Isopropylbenzene	12.33	105	286410	20.622	ug/l	100
74) N-amyl acetate	12.14	43	73861	20.727	ug/l	98
75) 1,1,2,2-Tetrachloroethane	12.58	83	53244	21.850	ug/l	100
76) 1,2,3-Trichloropropane	12.63	75	40981m	20.986	ug/l	
77) Bromobenzene	12.61	156	75776	20.954	ug/l	98
78) n-propylbenzene	12.67	91	331466	20.662	ug/l	99
79) 2-Chlorotoluene	12.75	91	185368	20.599	ug/l	99
80) 1,3,5-Trimethylbenzene	12.81	105	241886	20.859	ug/l	99
81) trans-1,4-Dichloro-2-buten	12.38	75	22310	21.524	ug/l #	86
82) 4-Chlorotoluene	12.85	91	195108	20.694	ug/l	99
83) tert-Butylbenzene	13.08	119	216722	20.952	ug/l	99
84) 1,2,4-Trimethylbenzene	13.12	105	247568	21.232	ug/l	99
85) sec-Butylbenzene	13.25	105	298030	21.072	ug/l	100
86) p-Isopropyltoluene	13.37	119	279929	21.271	ug/l	100
87) 1,3-Dichlorobenzene	13.36	146	143865	21.002	ug/l	99
88) 1,4-Dichlorobenzene	13.44	146	142517	20.798	ug/l	98
89) n-Butylbenzene	13.69	91	253315	21.201	ug/l	99
90) Hexachloroethane	13.96	117	52604	21.351	ug/l	99
91) 1,2-Dichlorobenzene	13.73	146	131832	21.221	ug/l	100
92) 1,2-Dibromo-3-Chloropropan	14.36	75	9870	21.053	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	99274	21.201	ug/l	97
94) Hexachlorobutadiene	15.11	225	57734	21.739	ug/l	99
95) Naphthalene	15.23	128	197407	21.026	ug/l	100
96) 1,2,3-Trichlorobenzene	15.42	180	90293	21.594	ug/l	98

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

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