

Data Path : Z:\VOASRV\HPCHEM1\MSVOA Y\DATA\VY051220\
 Data File : VY002660.D
 Acq On : 12 May 2020 12:03
 Operator : SY/MD
 Sample : VY0512SBS01
 Misc : 5.00G/5ML/MSVOA Y/SOIL
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 VY0512SBS01

Quant Time: May 13 02:40:34 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_Y\METHODS\82Y043020S.M
 Quant Title : SW846 8260
 QLast Update : Mon May 04 12:22:08 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.80	168	390829	50.00	ug/l	-0.01
34) 1,4-Difluorobenzene	8.69	114	571295	50.00	ug/l	-0.01
63) Chlorobenzene-d5	11.49	117	505723	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.42	152	255875	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	143012	43.52	ug/l	-0.01
Spiked Amount			Recovery	=	87.04%	
35) Dibromofluoromethane	7.72	113	159409	48.79	ug/l	-0.01
Spiked Amount			Recovery	=	97.58%	
50) Toluene-d8	10.18	98	627973	49.22	ug/l	-0.01
Spiked Amount			Recovery	=	98.44%	
62) 4-Bromofluorobenzene	12.48	95	208516	48.16	ug/l	-0.01
Spiked Amount			Recovery	=	96.32%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	1.91	85	45770	15.452	ug/l	99
3) Chloromethane	2.12	50	54776	17.299	ug/l	98
4) Vinyl Chloride	2.26	62	64229	17.567	ug/l	95
5) Bromomethane	2.65	94	45004	17.849	ug/l	98
6) Chloroethane	2.80	64	38988	17.859	ug/l	100
7) Trichlorofluoromethane	3.13	101	102939	18.166	ug/l	99
8) Diethyl Ether	3.54	74	34894	18.324	ug/l	98
9) 1,1,2-Trichlorotrifluoroet	3.91	101	66577	19.224	ug/l	97
10) Methyl Iodide	4.10	142	82143	17.409	ug/l	98
11) Tert butyl alcohol	4.97	59	27123	80.224	ug/l	98
12) 1,1-Dichloroethene	3.88	96	63813	18.967	ug/l	95
13) Acrolein	3.74	56	14740	63.048	ug/l	98
14) Allyl chloride	4.49	41	94933	19.366	ug/l	97
15) Acrylonitrile	5.18	53	77671	86.491	ug/l	100
16) Acetone	3.96	43	53384	78.715	ug/l	98
17) Carbon Disulfide	4.20	76	169353	16.732	ug/l	99
18) Methyl Acetate	4.49	43	38422	16.956	ug/l	99
19) Methyl tert-butyl Ether	5.23	73	158949	18.108	ug/l	97
20) Methylene Chloride	4.72	84	70479	18.584	ug/l	95
21) trans-1,2-Dichloroethene	5.23	96	69539	18.910	ug/l	95
22) Diisopropyl ether	6.13	45	196713	19.833	ug/l	96
23) Vinyl Acetate	6.07	43	564876	90.556	ug/l	99
24) 1,1-Dichloroethane	6.03	63	114717	19.550	ug/l	98
25) 2-Butanone	7.00	43	89940	81.015	ug/l	99
26) 2,2-Dichloropropane	6.99	77	108197	19.398	ug/l	100
27) cis-1,2-Dichloroethene	7.00	96	79031	19.423	ug/l	99
28) Bromochloromethane	7.35	49	47042	19.567	ug/l	98
29) Tetrahydrofuran	7.35	42	64743	88.146	ug/l	99
30) Chloroform	7.52	83	118604	19.439	ug/l	96
31) Cyclohexane	7.79	56	110486	18.706	ug/l	94
32) 1,1,1-Trichloroethane	7.71	97	110061	19.408	ug/l	99
36) 1,1-Dichloropropene	7.93	75	94423	19.716	ug/l	100
37) Ethyl Acetate	7.08	43	44182	17.952	ug/l	99
38) Carbon Tetrachloride	7.91	117	101816	19.473	ug/l	99

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.19	83	121464	19.202	ug/l	97
40) Benzene	8.17	78	272448	19.697	ug/l	100
41) Methacrylonitrile	7.34	41	30637m	23.153	ug/l	
42) 1,2-Dichloroethane	8.24	62	69133	17.818	ug/l	98
43) Isopropyl Acetate	8.28	43	81943	17.760	ug/l	99
44) Trichloroethene	8.94	130	87070	20.142	ug/l	99
45) 1,2-Dichloropropane	9.22	63	66269	19.851	ug/l	100
46) Dibromomethane	9.31	93	35109	18.279	ug/l	97
47) Bromodichloromethane	9.50	83	89075	19.072	ug/l	100
48) Methyl methacrylate	9.30	41	36946	17.694	ug/l	99
49) 1,4-Dioxane	9.30	88	9081	357.077	ug/l	98
51) 4-Methyl-2-Pentanone	10.07	43	216990	91.244	ug/l	100
52) Toluene	10.25	92	175858	19.782	ug/l	99
53) t-1,3-Dichloropropene	10.47	75	92957	18.996	ug/l	99
54) cis-1,3-Dichloropropene	9.93	75	109742	19.399	ug/l	99
55) 1,1,2-Trichloroethane	10.64	97	53038	18.935	ug/l	98
56) Ethyl methacrylate	10.51	69	67756	18.184	ug/l	98
57) 1,3-Dichloropropane	10.79	76	88435	18.618	ug/l	98
58) 2-Chloroethyl Vinyl ether	9.78	63	190646	97.020	ug/l	100
59) 2-Hexanone	10.83	43	144929	88.545	ug/l	99
60) Dibromochloromethane	10.99	129	67718	19.009	ug/l	99
61) 1,2-Dibromoethane	11.09	107	50738	18.294	ug/l	99
64) Tetrachloroethene	10.72	164	96996	21.587	ug/l	97
65) Chlorobenzene	11.52	112	191123	19.880	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.59	131	72239	20.243	ug/l	98
67) Ethyl Benzene	11.60	91	347286	20.565	ug/l	99
68) m/p-Xylenes	11.70	106	266488	40.784	ug/l	100
69) o-Xylene	12.03	106	124771	20.394	ug/l	99
70) Styrene	12.05	104	212838	20.350	ug/l	98
71) Bromoform	12.21	173	42668	19.264	ug/l #	99
73) Isopropylbenzene	12.33	105	349084	21.050	ug/l	100
74) N-amyl acetate	12.14	43	75630	18.959	ug/l	98
75) 1,1,2,2-Tetrachloroethane	12.58	83	47383	17.966	ug/l	99
76) 1,2,3-Trichloropropane	12.64	75	34849m	15.326	ug/l	
77) Bromobenzene	12.61	156	82975	20.027	ug/l	98
78) n-propylbenzene	12.67	91	404090	20.998	ug/l	99
79) 2-Chlorotoluene	12.76	91	220818	20.715	ug/l	100
80) 1,3,5-Trimethylbenzene	12.81	105	289719	21.076	ug/l	100
81) trans-1,4-Dichloro-2-buten	12.38	75	20403	17.992	ug/l	97
82) 4-Chlorotoluene	12.86	91	230688	20.602	ug/l	100
83) tert-Butylbenzene	13.08	119	255630	21.209	ug/l	100
84) 1,2,4-Trimethylbenzene	13.12	105	286744	20.931	ug/l	100
85) sec-Butylbenzene	13.25	105	357775	21.392	ug/l	100
86) p-Isopropyltoluene	13.37	119	332496	21.217	ug/l	100
87) 1,3-Dichlorobenzene	13.37	146	161170	20.553	ug/l	99
88) 1,4-Dichlorobenzene	13.45	146	158904	20.465	ug/l	98
89) n-Butylbenzene	13.70	91	302874	21.230	ug/l	100
90) Hexachloroethane	13.96	117	61925	21.699	ug/l	97
91) 1,2-Dichlorobenzene	13.74	146	141883	20.277	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.36	75	8257	16.796	ug/l	94

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93) 1,2,4-Trichlorobenzene	15.01	180	103716	20.417	ug/l	100
94) Hexachlorobutadiene	15.11	225	66582	21.835	ug/l	99
95) Naphthalene	15.24	128	176238	19.018	ug/l	99
96) 1,2,3-Trichlorobenzene	15.43	180	86831	20.135	ug/l	99

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

