

Data Path : Z:\VOASRV\HPCHEM1\MSVOA Y\DATA\VY042820\
 Data File : VY002490.D
 Acq On : 28 Apr 2020 13:35
 Operator : SY/MD
 Sample : VY0428SBS02
 Misc : 5.00G/5ML/MSVOA Y/SOIL
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 VY0428SBS02

Quant Time: Apr 29 00:32:54 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_Y\METHODS\82Y042320S.M
 Quant Title : SW846 8260
 QLast Update : Thu Apr 23 14:11:26 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.80	168	327027	50.00	ug/l	-0.02
34) 1,4-Difluorobenzene	8.70	114	479496	50.00	ug/l	-0.01
63) Chlorobenzene-d5	11.49	117	428006	50.00	ug/l	-0.01
72) 1,4-Dichlorobenzene-d4	13.42	152	223267	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	121917	42.65	ug/l	-0.02
Spiked Amount			Recovery	=	85.30%	
35) Dibromofluoromethane	7.73	113	129084	47.73	ug/l	-0.02
Spiked Amount			Recovery	=	95.46%	
50) Toluene-d8	10.18	98	496120	45.64	ug/l	-0.02
Spiked Amount			Recovery	=	91.28%	
62) 4-Bromofluorobenzene	12.48	95	173514	47.57	ug/l	-0.01
Spiked Amount			Recovery	=	95.14%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	1.91	85	47256	19.731	ug/l	97
3) Chloromethane	2.12	50	58270	19.122	ug/l	100
4) Vinyl Chloride	2.26	62	36314	16.589	ug/l	99
5) Bromomethane	2.65	94	26970	21.952	ug/l	96
6) Chloroethane	2.80	64	20863	19.954	ug/l	99
7) Trichlorofluoromethane	3.13	101	75633	19.054	ug/l	95
8) Diethyl Ether	3.54	74	20502	12.530	ug/l	85
9) 1,1,2-Trichlorotrifluoroet	3.91	101	41201	15.079	ug/l	95
10) Methyl Iodide	4.10	142	71634	16.994	ug/l	98
11) Tert butyl alcohol	4.97	59	27819	103.407	ug/l	97
12) 1,1-Dichloroethene	3.88	96	40899	14.609	ug/l	95
13) Acrolein	3.74	56	11057	51.343	ug/l	96
14) Allyl chloride	4.49	41	84886	20.633	ug/l	98
15) Acrylonitrile	5.18	53	77381	98.845	ug/l	99
16) Acetone	3.96	43	43688	73.137	ug/l	94
17) Carbon Disulfide	4.21	76	154475	17.696	ug/l	98
18) Methyl Acetate	4.49	43	36373	18.923	ug/l	99
19) Methyl tert-butyl Ether	5.24	73	155657	20.605	ug/l	99
20) Methylene Chloride	4.72	84	72639	21.299	ug/l	96
21) trans-1,2-Dichloroethene	5.24	96	64590	20.493	ug/l	96
22) Diisopropyl ether	6.14	45	166350	20.450	ug/l	94
23) Vinyl Acetate	6.08	43	527666	102.085	ug/l	98
24) 1,1-Dichloroethane	6.04	63	102212	20.754	ug/l	99
25) 2-Butanone	7.00	43	90015	98.362	ug/l	96
26) 2,2-Dichloropropane	7.00	77	102102	21.678	ug/l	99
27) cis-1,2-Dichloroethene	7.00	96	71042	20.723	ug/l	98
28) Bromochloromethane	7.35	49	38157	19.860	ug/l	95
29) Tetrahydrofuran	7.36	42	59283	97.708	ug/l	100
30) Chloroform	7.52	83	101604	19.376	ug/l	98
31) Cyclohexane	7.79	56	97021	19.701	ug/l	96
32) 1,1,1-Trichloroethane	7.71	97	103667	20.922	ug/l	99
36) 1,1-Dichloropropene	7.93	75	79526	19.342	ug/l	99
37) Ethyl Acetate	7.09	43	41600	20.140	ug/l	99
38) Carbon Tetrachloride	7.91	117	94207	19.925	ug/l	99

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.19	83	110505	20.604	ug/l	99
40) Benzene	8.17	78	231266	19.461	ug/l	99
41) Methacrylonitrile	7.35	41	28794m	22.627	ug/l	
42) 1,2-Dichloroethane	8.25	62	66920	19.386	ug/l	100
43) Isopropyl Acetate	8.28	43	76298	19.750	ug/l	99
44) Trichloroethene	8.94	130	79122	21.294	ug/l	99
45) 1,2-Dichloropropane	9.22	63	56492	20.626	ug/l	95
46) Dibromomethane	9.32	93	32946	20.561	ug/l	99
47) Bromodichloromethane	9.50	83	83167	20.755	ug/l	99
48) Methyl methacrylate	9.30	41	34781	19.722	ug/l	96
49) 1,4-Dioxane	9.30	88	7532	368.837	ug/l	93
51) 4-Methyl-2-Pentanone	10.08	43	203056	101.193	ug/l	98
52) Toluene	10.25	92	159526	20.854	ug/l	98
53) t-1,3-Dichloropropene	10.47	75	87991	20.909	ug/l	97
54) cis-1,3-Dichloropropene	9.93	75	99898	20.740	ug/l	100
55) 1,1,2-Trichloroethane	10.65	97	48816	20.604	ug/l	97
56) Ethyl methacrylate	10.51	69	65578	20.257	ug/l	98
57) 1,3-Dichloropropane	10.79	76	82443	20.611	ug/l	98
58) 2-Chloroethyl Vinyl ether	9.79	63	156275	99.826	ug/l	99
59) 2-Hexanone	10.83	43	137372	98.215	ug/l	100
60) Dibromochloromethane	10.99	129	65950	21.244	ug/l	98
61) 1,2-Dibromoethane	11.09	107	49223	20.952	ug/l	97
64) Tetrachloroethene	10.72	164	85497	21.796	ug/l	99
65) Chlorobenzene	11.52	112	178698	21.657	ug/l	98
66) 1,1,1,2-Tetrachloroethane	11.60	131	66648	21.527	ug/l	99
67) Ethyl Benzene	11.60	91	313615	21.326	ug/l	99
68) m/p-Xylenes	11.70	106	241457	42.652	ug/l	98
69) o-Xylene	12.03	106	113045	21.563	ug/l	100
70) Styrene	12.05	104	197344	21.619	ug/l	98
71) Bromoform	12.21	173	41341	21.196	ug/l #	99
73) Isopropylbenzene	12.33	105	316866	21.229	ug/l	100
74) N-amyl acetate	12.14	43	64755	18.308	ug/l	97
75) 1,1,2,2-Tetrachloroethane	12.58	83	45753	19.958	ug/l	99
76) 1,2,3-Trichloropropane	12.63	75	31545m	16.670	ug/l	
77) Bromobenzene	12.61	156	79382	21.205	ug/l	99
78) n-propylbenzene	12.67	91	363486	20.973	ug/l	100
79) 2-Chlorotoluene	12.76	91	198037	20.883	ug/l	99
80) 1,3,5-Trimethylbenzene	12.81	105	266319	21.022	ug/l	99
81) trans-1,4-Dichloro-2-buten	12.38	75	20285	19.837	ug/l	96
82) 4-Chlorotoluene	12.86	91	211383	21.567	ug/l	100
83) tert-Butylbenzene	13.08	119	231630	21.055	ug/l	99
84) 1,2,4-Trimethylbenzene	13.12	105	259143	21.321	ug/l	100
85) sec-Butylbenzene	13.25	105	307509	20.875	ug/l	99
86) p-Isopropyltoluene	13.37	119	299918	21.349	ug/l	100
87) 1,3-Dichlorobenzene	13.37	146	147288	21.272	ug/l	100
88) 1,4-Dichlorobenzene	13.45	146	149125	21.660	ug/l	99
89) n-Butylbenzene	13.70	91	273323	21.091	ug/l	99
90) Hexachloroethane	13.96	117	42972	16.924	ug/l	92
91) 1,2-Dichlorobenzene	13.74	146	128786	21.598	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.36	75	9095	19.984	ug/l	99

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.01	180	100659	21.389	ug/l	99
94) Hexachlorobutadiene	15.11	225	62143	21.880	ug/l	99
95) Naphthalene	15.23	128	176489	20.221	ug/l	100
96) 1,2,3-Trichlorobenzene	15.43	180	84780	21.239	ug/l	100

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

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