

Data Path : Z:\VOASRV\HPCHEM1\MSVOA Y\DATA\VY042420\
 Data File : VY002479.D
 Acq On : 24 Apr 2020 14:02
 Operator : SY/MD
 Sample : VY0424SBS01
 Misc : 5.00G/5ML/MSVOA Y/SOIL
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 VY0424SBS01

Quant Time: Apr 25 08:45:48 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	7.81	168	272747	50.00	ug/l	-0.01
34) 1,4-Difluorobenzene	8.71	114	436734	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.50	117	329749	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.44	152	148905	50.00	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.16	65	116966	49.07	ug/l	0.00
Spiked Amount	50.000		Recovery	=	98.14%	
35) Dibromofluoromethane	7.74	113	99342	40.33	ug/l	0.00
Spiked Amount	50.000		Recovery	=	80.66%	
50) Toluene-d8	10.19	98	439101	44.35	ug/l	0.00
Spiked Amount	50.000		Recovery	=	88.70%	
62) 4-Bromofluorobenzene	12.49	95	105272	31.69	ug/l	0.00
Spiked Amount	50.000		Recovery	=	63.38%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	1.91	85	40254	20.153	ug/l	95
3) Chloromethane	2.13	50	42301	16.644	ug/l	99
4) Vinyl Chloride	2.26	62	46461	25.448	ug/l	98
5) Bromomethane	2.66	94	32308	31.530	ug/l	96
6) Chloroethane	2.80	64	29710	32.051	ug/l	97
7) Trichlorofluoromethane	3.14	101	88402	26.703	ug/l	98
8) Diethyl Ether	3.55	74	33394	24.472	ug/l	98
9) 1,1,2-Trichlorotrifluoroet	3.93	101	52647	23.102	ug/l	100
10) Methyl Iodide	4.11	142	74489	21.188	ug/l	99
11) Tert butyl alcohol	4.99	59	28743	128.105	ug/l	98
12) 1,1-Dichloroethene	3.89	96	53911	23.090	ug/l	98
13) Acrolein	3.75	56	21450	119.426	ug/l	99
14) Allyl chloride	4.50	41	76967	22.431	ug/l	95
15) Acrylonitrile	5.19	53	78587	120.363	ug/l	99
16) Acetone	3.97	43	60884	122.209	ug/l	95
17) Carbon Disulfide	4.21	76	156498	21.496	ug/l	99
18) Methyl Acetate	4.50	43	38979	24.314	ug/l	98
19) Methyl tert-butyl Ether	5.24	73	146883	23.313	ug/l	99
20) Methylene Chloride	4.74	84	60613	21.310	ug/l	98
21) trans-1,2-Dichloroethene	5.24	96	58146	22.120	ug/l	99
22) Diisopropyl ether	6.14	45	155940	22.985	ug/l	99
23) Vinyl Acetate	6.09	43	506596	117.513	ug/l	99
24) 1,1-Dichloroethane	6.05	63	90156	21.949	ug/l	98
25) 2-Butanone	7.01	43	78670	103.074	ug/l	98
26) 2,2-Dichloropropane	7.01	77	77803	19.806	ug/l	99
27) cis-1,2-Dichloroethene	7.01	96	57470	20.101	ug/l	98
28) Bromochloromethane	7.36	49	30292	18.904	ug/l	94
29) Tetrahydrofuran	7.37	42	49822	98.457	ug/l	96
30) Chloroform	7.53	83	85723	19.601	ug/l	100
31) Cyclohexane	7.81	56	77613	18.896	ug/l	# 92
32) 1,1,1-Trichloroethane	7.72	97	80076	19.377	ug/l	99
36) 1,1-Dichloropropene	7.94	75	70961	18.949	ug/l	98
37) Ethyl Acetate	7.10	43	36554	19.430	ug/l	98
38) Carbon Tetrachloride	7.92	117	80959	18.800	ug/l	97

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.20	83	95285	19.505	ug/l	99
40) Benzene	8.18	78	222207	20.530	ug/l	98
41) Methacrylonitrile	7.35	41	21354m	18.423	ug/l	
42) 1,2-Dichloroethane	8.25	62	65382	20.795	ug/l	99
43) Isopropyl Acetate	8.29	43	75749	21.527	ug/l	98
44) Trichloroethene	8.96	130	68211	20.155	ug/l	97
45) 1,2-Dichloropropane	9.23	63	50662	20.309	ug/l	98
46) Dibromomethane	9.32	93	30703	21.037	ug/l	97
47) Bromodichloromethane	9.52	83	74497	20.411	ug/l	97
48) Methyl methacrylate	9.31	41	34721	21.615	ug/l	97
49) 1,4-Dioxane	9.31	88	9128	490.759	ug/l	91
51) 4-Methyl-2-Pentanone	10.08	43	200816	109.876	ug/l	100
52) Toluene	10.25	92	137849	19.785	ug/l	100
53) t-1,3-Dichloropropene	10.48	75	81233	21.193	ug/l	97
54) cis-1,3-Dichloropropene	9.94	75	90156	20.550	ug/l	98
55) 1,1,2-Trichloroethane	10.66	97	38050	17.633	ug/l	96
56) Ethyl methacrylate	10.52	69	62405	21.165	ug/l	98
57) 1,3-Dichloropropane	10.80	76	63383	17.398	ug/l	98
58) 2-Chloroethyl Vinyl ether	9.80	63	156245	109.579	ug/l	100
59) 2-Hexanone	10.84	43	115881	90.962	ug/l	97
60) Dibromochloromethane	11.00	129	48351	17.100	ug/l	96
61) 1,2-Dibromoethane	11.10	107	36016	16.831	ug/l	99
64) Tetrachloroethene	10.73	164	60899	20.151	ug/l	97
65) Chlorobenzene	11.53	112	131611	20.703	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.60	131	49868	20.907	ug/l	99
67) Ethyl Benzene	11.60	91	227814	20.108	ug/l	99
68) m/p-Xylenes	11.71	106	173915	39.875	ug/l	99
69) o-Xylene	12.04	106	70250	17.393	ug/l	99
70) Styrene	12.05	104	122510	17.420	ug/l	98
71) Bromoform	12.22	173	26964	17.945	ug/l #	99
73) Isopropylbenzene	12.34	105	195521	19.640	ug/l	98
74) N-amyl acetate	12.15	43	41591	17.631	ug/l	97
75) 1,1,2,2-Tetrachloroethane	12.59	83	27712	18.125	ug/l	98
76) 1,2,3-Trichloropropane	12.64	75	21620m	17.131	ug/l	
77) Bromobenzene	12.62	156	49774	19.936	ug/l	95
78) n-propylbenzene	12.68	91	217393	18.808	ug/l	98
79) 2-Chlorotoluene	12.77	91	121902	19.274	ug/l	99
80) 1,3,5-Trimethylbenzene	12.82	105	168311	19.920	ug/l	99
81) trans-1,4-Dichloro-2-buten	12.39	75	12541	18.388	ug/l #	87
82) 4-Chlorotoluene	12.86	91	129961	19.881	ug/l	99
83) tert-Butylbenzene	13.08	119	146876	20.018	ug/l	98
84) 1,2,4-Trimethylbenzene	13.13	105	168056	20.732	ug/l	100
85) sec-Butylbenzene	13.26	105	196523	20.003	ug/l	99
86) p-Isopropyltoluene	13.37	119	191346	20.423	ug/l	99
87) 1,3-Dichlorobenzene	13.37	146	96147	20.821	ug/l	99
88) 1,4-Dichlorobenzene	13.45	146	94240	20.524	ug/l	98
89) n-Butylbenzene	13.70	91	164310	19.011	ug/l	99
90) Hexachloroethane	13.97	117	32273	19.057	ug/l	93
91) 1,2-Dichlorobenzene	13.75	146	84712	21.302	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.36	75	6397	21.075	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	68033	21.676	ug/l	99
94) Hexachlorobutadiene	15.12	225	41583	21.953	ug/l	99
95) Naphthalene	15.25	128	128483	22.072	ug/l	99
96) 1,2,3-Trichlorobenzene	15.44	180	52332	19.657	ug/l	100

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

