

Data Path : Z:\VOASRV\HPCHEM1\MSVOA Y\DATA\VY042420\
 Data File : VY002480.D
 Acq On : 24 Apr 2020 14:24
 Operator : SY/MD
 Sample : VY0424SBS01
 Misc : 5.00G/5ML/MSVOA Y/SOIL
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 VY0424SBS01

Quant Time: Apr 25 06:19:05 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	300488	50.00	ug/l	-0.01
34) 1,4-Difluorobenzene	8.71	114	452824	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.50	117	410600	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.44	152	215568	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	8.16	65	121878	46.41	ug/l	0.00
Spiked Amount						
			Recovery	=	92.82%	
35) Dibromofluoromethane	7.74	113	117603	46.04	ug/l	0.00
Spiked Amount						
			Recovery	=	92.08%	
50) Toluene-d8	10.19	98	450009	43.84	ug/l	0.00
Spiked Amount						
			Recovery	=	87.68%	
62) 4-Bromofluorobenzene	12.49	95	151680	44.03	ug/l	0.00
Spiked Amount						
			Recovery	=	88.06%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	1.91	85	34786	15.807	ug/l	98
3) Chloromethane	2.13	50	16129	5.760	ug/l	96
4) Vinyl Chloride	2.27	62	18482	9.188	ug/l	98
5) Bromomethane	2.66	94	17593	15.584	ug/l	88
6) Chloroethane	2.80	64	12676	14.161	ug/l	95
7) Trichlorofluoromethane	3.15	101	57028	15.636	ug/l	95
8) Diethyl Ether	3.55	74	14135	9.402	ug/l	81
9) 1,1,2-Trichlorotrifluoroet	3.92	101	23618	9.407	ug/l	92
10) Methyl Iodide	4.11	142	34922	9.016	ug/l #	80
11) Tert butyl alcohol	4.99	59	13626	55.123	ug/l	97
12) 1,1-Dichloroethene	3.90	96	23257	9.041	ug/l	92
13) Acrolein	3.76	56	7503	37.917	ug/l	92
14) Allyl chloride	4.51	41	25610	6.775	ug/l #	71
15) Acrylonitrile	5.20	53	30490	42.387	ug/l	97
16) Acetone	3.97	43	26844	48.908	ug/l #	87
17) Carbon Disulfide	4.22	76	63487	7.915	ug/l	100
18) Methyl Acetate	4.51	43	12985	7.352	ug/l #	86
19) Methyl tert-butyl Ether	5.25	73	76039	10.955	ug/l	98
20) Methylene Chloride	4.74	84	25390	8.102	ug/l	89
21) trans-1,2-Dichloroethene	5.25	96	26982	9.317	ug/l	93
22) Diisopropyl ether	6.14	45	93841	12.555	ug/l #	89
23) Vinyl Acetate	6.09	43	304670	64.149	ug/l	95
24) 1,1-Dichloroethane	6.05	63	53024	11.717	ug/l	99
25) 2-Butanone	7.01	43	93718	111.454	ug/l	96
26) 2,2-Dichloropropane	7.00	77	85704	19.803	ug/l	99
27) cis-1,2-Dichloroethene	7.01	96	66715	21.180	ug/l	97
28) Bromochloromethane	7.36	49	38224	21.652	ug/l	97
29) Tetrahydrofuran	7.37	42	61996	111.204	ug/l	99
30) Chloroform	7.53	83	98951	20.537	ug/l	100
31) Cyclohexane	7.80	56	86600	19.138	ug/l	95
32) 1,1,1-Trichloroethane	7.72	97	91898	20.185	ug/l	100
36) 1,1-Dichloropropene	7.94	75	75994	19.572	ug/l	99
37) Ethyl Acetate	7.10	43	42293	21.682	ug/l	99
38) Carbon Tetrachloride	7.92	117	86485	19.370	ug/l	100

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)

39) Methylcyclohexane	9.20	83	97510	19.252	ug/l	96
40) Benzene	8.18	78	223910	19.952	ug/l	98
41) Methacrylonitrile	7.34	41	23227m	19.327	ug/l	
42) 1,2-Dichloroethane	8.26	62	66618	20.435	ug/l	99
43) Isopropyl Acetate	8.29	43	77825	21.332	ug/l	99
44) Trichloroethene	8.96	130	69464	19.795	ug/l	96
45) 1,2-Dichloropropane	9.23	63	52055	20.126	ug/l	100
46) Dibromomethane	9.32	93	31452	20.784	ug/l	99
47) Bromodichloromethane	9.51	83	75976	20.077	ug/l	98
48) Methyl methacrylate	9.31	41	33842	20.319	ug/l	98
49) 1,4-Dioxane	9.31	88	9154	474.669	ug/l	95
51) 4-Methyl-2-Pentanone	10.08	43	201527	106.347	ug/l	99
52) Toluene	10.25	92	142288	19.697	ug/l	99
53) t-1,3-Dichloropropene	10.48	75	82688	20.806	ug/l	97
54) cis-1,3-Dichloropropene	9.94	75	91993	20.224	ug/l	98
55) 1,1,2-Trichloroethane	10.66	97	46087	20.598	ug/l	98
56) Ethyl methacrylate	10.52	69	63697	20.835	ug/l	99
57) 1,3-Dichloropropane	10.80	76	78204	20.703	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.80	63	155175	104.962	ug/l	99
59) 2-Hexanone	10.85	43	140922	106.688	ug/l	99
60) Dibromochloromethane	11.00	129	60814	20.743	ug/l	100
61) 1,2-Dibromoethane	11.10	107	45683	20.590	ug/l	100
64) Tetrachloroethene	10.73	164	75287	20.006	ug/l	99
65) Chlorobenzene	11.53	112	160628	20.292	ug/l	98
66) 1,1,1,2-Tetrachloroethane	11.60	131	61433	20.684	ug/l	99
67) Ethyl Benzene	11.60	91	277601	19.677	ug/l	100
68) m/p-Xylenes	11.71	106	216642	39.891	ug/l	97
69) o-Xylene	12.04	106	103372	20.554	ug/l	99
70) Styrene	12.05	104	178219	20.351	ug/l	99
71) Bromoform	12.22	173	39245	20.975	ug/l #	100
73) Isopropylbenzene	12.34	105	274037	19.015	ug/l	99
74) N-amyl acetate	12.15	43	69458	20.339	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.59	83	44768	20.226	ug/l	100
76) 1,2,3-Trichloropropane	12.64	75	34564m	18.918	ug/l	
77) Bromobenzene	12.62	156	72272	19.995	ug/l	99
78) n-propylbenzene	12.68	91	323690	19.344	ug/l	100
79) 2-Chlorotoluene	12.77	91	178199	19.462	ug/l	100
80) 1,3,5-Trimethylbenzene	12.82	105	238036	19.461	ug/l	99
81) trans-1,4-Dichloro-2-buten	12.39	75	19696	19.948	ug/l	96
82) 4-Chlorotoluene	12.86	91	185842	19.638	ug/l	100
83) tert-Butylbenzene	13.08	119	209150	19.691	ug/l	100
84) 1,2,4-Trimethylbenzene	13.13	105	238257	20.303	ug/l	99
85) sec-Butylbenzene	13.27	105	279937	19.682	ug/l	99
86) p-Isopropyltoluene	13.38	119	264660	19.513	ug/l	100
87) 1,3-Dichlorobenzene	13.38	146	134789	20.162	ug/l	99
88) 1,4-Dichlorobenzene	13.45	146	133198	20.037	ug/l	99
89) n-Butylbenzene	13.70	91	238793	19.084	ug/l	100
90) Hexachloroethane	13.97	117	47216	19.259	ug/l	97
91) 1,2-Dichlorobenzene	13.75	146	121372	21.082	ug/l	100
92) 1,2-Dibromo-3-Chloropropan	14.37	75	9245	21.039	ug/l	98

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.02	180	91740	20.190	ug/l	100
94) Hexachlorobutadiene	15.12	225	54786	19.979	ug/l	100
95) Naphthalene	15.25	128	175256	20.797	ug/l	100
96) 1,2,3-Trichlorobenzene	15.44	180	78306	20.318	ug/l	99

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

