

Data Path : Z:\VOASRV\HPCHEM1\MSVOA Y\DATA\VY072320\
 Data File : VY003311.D
 Acq On : 23 Jul 2020 12:56
 Operator : SY/MD
 Sample : VY0723SBS01
 Misc : 5.00G/5ML/MSVOA Y/SOIL
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 VY0723SBS01

Manual Integrations
 APPROVED

MMDadoda
 7/24/2020 12:58:28 PM

Quant Time: Jul 24 05:14:29 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_Y\METHODS\82Y071020S.M
 Quant Title : SW846 8260
 QLast Update : Fri Jul 10 13:18:03 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.80	168	422804	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.69	114	619606	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.49	117	574728	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.42	152	313554	50.00	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.14	65	184365	51.66	ug/l	0.00
Spiked Amount	50.000		Recovery	=	103.32%	
35) Dibromofluoromethane	7.72	113	174253	48.87	ug/l	0.00
Spiked Amount	50.000		Recovery	=	97.74%	
50) Toluene-d8	10.18	98	650675	49.08	ug/l	0.00
Spiked Amount	50.000		Recovery	=	98.16%	
62) 4-Bromofluorobenzene	12.48	95	233818	48.82	ug/l	0.00
Spiked Amount	50.000		Recovery	=	97.64%	

Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.90	85	75946	25.062	ug/l	97
3) Chloromethane	2.12	50	97323	23.154	ug/l	100
4) Vinyl Chloride	2.25	62	100643	23.336	ug/l	99
5) Bromomethane	2.64	94	77099	24.068	ug/l	97
6) Chloroethane	2.79	64	66171	23.360	ug/l	97
7) Trichlorofluoromethane	3.13	101	150173	24.383	ug/l	99
8) Diethyl Ether	3.53	74	48742	23.617	ug/l	90
9) 1,1,2-Trichlorotrifluoroet	3.90	101	86527	23.262	ug/l	98
10) Methyl Iodide	4.10	142	86017	21.285	ug/l	97
11) Tert butyl alcohol	4.96	59	49723	128.856	ug/l	95
12) 1,1-Dichloroethene	3.88	96	81056	23.038	ug/l	97
13) Acrolein	3.73	56	27013	80.652	ug/l	95
14) Allyl chloride	4.49	41	133625	25.596	ug/l	95
15) Acrylonitrile	5.18	53	127550	128.658	ug/l	99
16) Acetone	3.96	43	99559	124.898	ug/l	95
17) Carbon Disulfide	4.19	76	251129	23.261	ug/l	99
18) Methyl Acetate	4.49	43	59967	27.089	ug/l	96
19) Methyl tert-butyl Ether	5.23	73	229431	23.270	ug/l	98
20) Methylene Chloride	4.72	84	120131	27.478	ug/l	95
21) trans-1,2-Dichloroethene	5.22	96	90655	22.781	ug/l	94
22) Diisopropyl ether	6.13	45	289751	25.008	ug/l	96
23) Vinyl Acetate	6.07	43	944832	122.346	ug/l	99
24) 1,1-Dichloroethane	6.03	63	160054	23.844	ug/l	99
25) 2-Butanone	6.99	43	163737	125.105	ug/l	93
26) 2,2-Dichloropropane	6.99	77	142457	23.565	ug/l	99
27) cis-1,2-Dichloroethene	6.99	96	100867	23.022	ug/l	97
28) Bromochloromethane	7.34	49	68332	23.513	ug/l	95
29) Tetrahydrofuran	7.35	42	110912	126.147	ug/l	96
30) Chloroform	7.52	83	160979	23.285	ug/l	94
31) Cyclohexane	7.78	56	152534	23.500	ug/l	95
32) 1,1,1-Trichloroethane	7.71	97	144167	23.163	ug/l	99
36) 1,1-Dichloropropene	7.92	75	126172	22.468	ug/l	99
37) Ethyl Acetate	7.08	43	75320	24.906	ug/l	98
38) Carbon Tetrachloride	7.91	117	131795	22.734	ug/l	95

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.19	83	155466	22.038	ug/l	95
40) Benzene	8.16	78	359122	23.225	ug/l	96
41) Methacrylonitrile	7.32	41	40453m	22.210	ug/l	
42) 1,2-Dichloroethane	8.24	62	110341	23.179	ug/l	100
43) Isopropyl Acetate	8.28	43	138016	23.577	ug/l	99
44) Trichloroethene	8.94	130	102263	21.574	ug/l	98
45) 1,2-Dichloropropane	9.22	63	94834	23.702	ug/l	95
46) Dibromomethane	9.31	93	52589	22.504	ug/l	99
47) Bromodichloromethane	9.50	83	128308	23.086	ug/l	98
48) Methyl methacrylate	9.30	41	62532	23.895	ug/l	94
49) 1,4-Dioxane	9.30	88	13443	453.258	ug/l	89
51) 4-Methyl-2-Pentanone	10.07	43	371146	121.983	ug/l	98
52) Toluene	10.24	92	224449	22.710	ug/l	100
53) t-1,3-Dichloropropene	10.47	75	133889	23.251	ug/l	100
54) cis-1,3-Dichloropropene	9.93	75	154726	23.320	ug/l	96
55) 1,1,2-Trichloroethane	10.64	97	74697	22.557	ug/l	96
56) Ethyl methacrylate	10.51	69	103340	22.954	ug/l	98
57) 1,3-Dichloropropane	10.79	76	128261	22.844	ug/l	98
58) 2-Chloroethyl Vinyl ether	9.78	63	274812	119.691	ug/l	98
59) 2-Hexanone	10.83	43	259412	122.136	ug/l	99
60) Dibromochloromethane	10.99	129	94648	22.725	ug/l	100
61) 1,2-Dibromoethane	11.09	107	72491	22.180	ug/l	99
64) Tetrachloroethene	10.72	164	102451	19.993	ug/l	98
65) Chlorobenzene	11.52	112	244986	22.127	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.59	131	95582	22.227	ug/l	99
67) Ethyl Benzene	11.59	91	445628	22.542	ug/l	100
68) m/p-Xylenes	11.70	106	332023	44.265	ug/l	99
69) o-Xylene	12.03	106	155330	22.167	ug/l	97
70) Styrene	12.04	104	270686	22.581	ug/l	100
71) Bromoform	12.20	173	62677	22.207	ug/l	100
73) Isopropylbenzene	12.33	105	432080	21.624	ug/l	100
74) N-amyl acetate	12.14	43	126727	22.603	ug/l	98
75) 1,1,2,2-Tetrachloroethane	12.58	83	87865	22.768	ug/l	100
76) 1,2,3-Trichloropropane	12.63	75	60625m	21.843	ug/l	
77) Bromobenzene	12.61	156	110741	21.742	ug/l	99
78) n-propylbenzene	12.67	91	527343	22.389	ug/l	99
79) 2-Chlorotoluene	12.75	91	287298	21.862	ug/l	98
80) 1,3,5-Trimethylbenzene	12.81	105	369418	22.182	ug/l	100
81) trans-1,4-Dichloro-2-buten	12.38	75	30590	21.450	ug/l	98
82) 4-Chlorotoluene	12.85	91	302425	22.048	ug/l	99
83) tert-Butylbenzene	13.07	119	327080	22.258	ug/l	100
84) 1,2,4-Trimethylbenzene	13.12	105	367962	21.959	ug/l	99
85) sec-Butylbenzene	13.25	105	449925	22.277	ug/l	100
86) p-Isopropyltoluene	13.37	119	414619	21.986	ug/l	100
87) 1,3-Dichlorobenzene	13.36	146	212118	22.023	ug/l	99
88) 1,4-Dichlorobenzene	13.44	146	210876	22.114	ug/l	99
89) n-Butylbenzene	13.69	91	397290	22.397	ug/l	99
90) Hexachloroethane	13.96	117	80613	23.473	ug/l	99
91) 1,2-Dichlorobenzene	13.73	146	190430	22.529	ug/l	100
92) 1,2-Dibromo-3-Chloropropan	14.35	75	14197	22.691	ug/l	96

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.00	180	138849	23.090	ug/l	100
94) Hexachlorobutadiene	15.11	225	91669	22.248	ug/l	99
95) Naphthalene	15.23	128	231217	23.266	ug/l	99
96) 1,2,3-Trichlorobenzene	15.42	180	111788	23.517	ug/l	98

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

