

Data Path : Z:\VOASRV\HPCHEM1\MSVOA Y\DATA\VY062920\
 Data File : VY003007.D
 Acq On : 29 Jun 2020 15:32
 Operator : SY/MD
 Sample : VY0629SBS01
 Misc : 5.00G/5ML/MSVOA Y/SOIL
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 VY0629SBS01

Manual Integrations
 APPROVED

MMDadoda
 6/30/2020 12:54:14 PM

Quant Time: Jun 30 06:19:42 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_Y\METHODS\82Y062920S.M
 Quant Title : SW846 8260
 QLast Update : Tue Jun 30 04:11:35 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.80	168	493428	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.69	114	727423	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.49	117	658447	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.42	152	354007	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.14	65	252000	51.42	ug/l	0.00
Spiked Amount	50.000		Recovery	=	102.84%	
35) Dibromofluoromethane	7.72	113	232534	51.24	ug/l	0.00
Spiked Amount	50.000		Recovery	=	102.48%	
50) Toluene-d8	10.18	98	869314	51.42	ug/l	0.00
Spiked Amount	50.000		Recovery	=	102.84%	
62) 4-Bromofluorobenzene	12.48	95	308588	51.86	ug/l	0.00
Spiked Amount	50.000		Recovery	=	103.72%	
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.91	85	74512	19.940	ug/l	100
3) Chloromethane	2.12	50	101430	18.536	ug/l	100
4) Vinyl Chloride	2.26	62	109787	20.568	ug/l	97
5) Bromomethane	2.65	94	81321	22.438	ug/l	100
6) Chloroethane	2.79	64	72033	21.213	ug/l	93
7) Trichlorofluoromethane	3.13	101	160429	21.294	ug/l	99
8) Diethyl Ether	3.54	74	54615	21.146	ug/l	98
9) 1,1,2-Trichlorotrifluoroet	3.90	101	99600	22.141	ug/l	99
10) Methyl Iodide	4.10	142	114583	20.542	ug/l	100
11) Tert butyl alcohol	4.96	59	56716	113.559	ug/l	99
12) 1,1-Dichloroethene	3.88	96	92474	21.605	ug/l	98
13) Acrolein	3.74	56	47935	106.862	ug/l	99
14) Allyl chloride	4.48	41	159023	21.280	ug/l	99
15) Acrylonitrile	5.18	53	144252	108.370	ug/l	100
16) Acetone	3.96	43	114751	99.280	ug/l	99
17) Carbon Disulfide	4.20	76	295370	21.599	ug/l	99
18) Methyl Acetate	4.49	43	65705	21.100	ug/l	99
19) Methyl tert-butyl Ether	5.22	73	277122	22.212	ug/l	98
20) Methylene Chloride	4.72	84	130032	21.195	ug/l	96
21) trans-1,2-Dichloroethene	5.22	96	107060	22.113	ug/l	95
22) Diisopropyl ether	6.13	45	341789	21.339	ug/l	98
23) Vinyl Acetate	6.07	43	1159549	108.285	ug/l	100
24) 1,1-Dichloroethane	6.02	63	185025	21.147	ug/l	99
25) 2-Butanone	6.99	43	197313	107.467	ug/l	99
26) 2,2-Dichloropropane	6.99	77	175909	22.129	ug/l	97
27) cis-1,2-Dichloroethene	6.99	96	117059	21.557	ug/l	99
28) Bromochloromethane	7.33	49	77334	19.865	ug/l	98
29) Tetrahydrofuran	7.35	42	133060	108.979	ug/l	98
30) Chloroform	7.51	83	188706	21.771	ug/l	99
31) Cyclohexane	7.78	56	180162	20.902	ug/l	97
32) 1,1,1-Trichloroethane	7.71	97	170647	21.568	ug/l	99
36) 1,1-Dichloropropene	7.92	75	151573	21.632	ug/l	99
37) Ethyl Acetate	7.08	43	93380	22.165	ug/l	99
38) Carbon Tetrachloride	7.91	117	154756	21.228	ug/l	96

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.19	83	187636	21.598	ug/l	99
40) Benzene	8.16	78	412085	21.482	ug/l	100
41) Methacrylonitrile	7.33	41	58486m	25.989	ug/l	
42) 1,2-Dichloroethane	8.24	62	131802	21.719	ug/l	100
43) Isopropyl Acetate	8.28	43	170268	21.260	ug/l	97
44) Trichloroethene	8.94	130	121578	21.805	ug/l	97
45) 1,2-Dichloropropane	9.22	63	110494	21.410	ug/l	99
46) Dibromomethane	9.31	93	62932	21.833	ug/l	97
47) Bromodichloromethane	9.50	83	151516	21.467	ug/l	97
48) Methyl methacrylate	9.30	41	77910	21.372	ug/l	97
49) 1,4-Dioxane	9.31	88	15255	433.554	ug/l	96
51) 4-Methyl-2-Pentanone	10.07	43	456737	110.337	ug/l	100
52) Toluene	10.24	92	260407	21.565	ug/l	100
53) t-1,3-Dichloropropene	10.47	75	158563	21.428	ug/l	95
54) cis-1,3-Dichloropropene	9.93	75	179261	21.182	ug/l	96
55) 1,1,2-Trichloroethane	10.64	97	87501	21.846	ug/l	98
56) Ethyl methacrylate	10.51	69	128214	22.113	ug/l	98
57) 1,3-Dichloropropane	10.79	76	153924	21.890	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.78	63	287378	96.641	ug/l	99
59) 2-Hexanone	10.83	43	315802	109.148	ug/l	99
60) Dibromochloromethane	10.99	129	110455	21.549	ug/l	100
61) 1,2-Dibromoethane	11.09	107	84414	21.377	ug/l	100
64) Tetrachloroethene	10.72	164	125462	22.514	ug/l	98
65) Chlorobenzene	11.52	112	284019	21.876	ug/l	98
66) 1,1,1,2-Tetrachloroethane	11.59	131	109369	21.576	ug/l	99
67) Ethyl Benzene	11.59	91	514624	21.666	ug/l	99
68) m/p-Xylenes	11.70	106	382164	43.231	ug/l	99
69) o-Xylene	12.03	106	181805	21.825	ug/l	99
70) Styrene	12.05	104	309246	21.730	ug/l	98
71) Bromoform	12.21	173	74853	22.146	ug/l #	99
73) Isopropylbenzene	12.33	105	497923	21.492	ug/l	100
74) N-amyl acetate	12.14	43	163342	21.657	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.58	83	99466	21.274	ug/l	99
76) 1,2,3-Trichloropropane	12.63	75	80366m	22.938	ug/l	
77) Bromobenzene	12.61	156	126288	21.259	ug/l	99
78) n-propylbenzene	12.67	91	600727	21.560	ug/l	100
79) 2-Chlorotoluene	12.75	91	333139	21.420	ug/l	98
80) 1,3,5-Trimethylbenzene	12.81	105	416689	21.433	ug/l	100
81) trans-1,4-Dichloro-2-buten	12.38	75	39167	21.750	ug/l	97
82) 4-Chlorotoluene	12.86	91	351871	21.730	ug/l	99
83) tert-Butylbenzene	13.08	119	363955	21.320	ug/l	100
84) 1,2,4-Trimethylbenzene	13.12	105	428851	21.891	ug/l	99
85) sec-Butylbenzene	13.25	105	510216	21.684	ug/l	100
86) p-Isopropyltoluene	13.37	119	466881	21.413	ug/l	99
87) 1,3-Dichlorobenzene	13.37	146	236347	21.311	ug/l	99
88) 1,4-Dichlorobenzene	13.45	146	235287	21.515	ug/l	99
89) n-Butylbenzene	13.70	91	452690	21.700	ug/l	99
90) Hexachloroethane	13.96	117	93543	21.606	ug/l	99
91) 1,2-Dichlorobenzene	13.74	146	213091	21.415	ug/l	98
92) 1,2-Dibromo-3-Chloropropan	14.36	75	19093	23.069	ug/l	100

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.01	180	160528	21.711	ug/l	99
94) Hexachlorobutadiene	15.11	225	103703	22.236	ug/l	98
95) Naphthalene	15.24	128	299057	22.144	ug/l	99
96) 1,2,3-Trichlorobenzene	15.42	180	140602	21.900	ug/l	99

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

