

Data Path : Z:\VOASRV\HPCHEM1\MSVOA Y\DATA\VY061920\
 Data File : VY002942.D
 Acq On : 19 Jun 2020 17:00
 Operator : SY/MD
 Sample : VY0619SBS01
 Misc : 5.00G/5ML/MSVOA Y/SOIL
 ALS Vial : 12 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 VY0619SBS01

Manual Integrations
 APPROVED

MMDadoda
 6/22/2020 2:06:41 PM

Quant Time: Jun 20 04:48:55 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_Y\METHODS\82Y061920S.M
 Quant Title : SW846 8260
 QLast Update : Fri Jun 19 15:04:26 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.80	168	375729	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.69	114	556795	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.49	117	510217	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.42	152	272619	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	8.15	65	142859	46.03	ug/l	0.00
Spiked Amount	50.000		Recovery	=	92.06%	
35) Dibromofluoromethane	7.72	113	147504	46.82	ug/l	0.00
Spiked Amount	50.000		Recovery	=	93.64%	
50) Toluene-d8	10.18	98	585465	47.13	ug/l	0.00
Spiked Amount	50.000		Recovery	=	94.26%	
62) 4-Bromofluorobenzene	12.48	95	200337	46.49	ug/l	0.00
Spiked Amount	50.000		Recovery	=	92.98%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	1.90	85	39574	16.521	ug/l	98
3) Chloromethane	2.12	50	45949	16.895	ug/l	93
4) Vinyl Chloride	2.26	62	51579	17.663	ug/l	97
5) Bromomethane	2.65	94	39250	18.215	ug/l	97
6) Chloroethane	2.80	64	34225	18.121	ug/l	94
7) Trichlorofluoromethane	3.13	101	98282	18.743	ug/l	99
8) Diethyl Ether	3.54	74	36244	19.156	ug/l	100
9) 1,1,2-Trichlorotrifluoroet	3.91	101	60054	19.016	ug/l	99
10) Methyl Iodide	4.10	142	75313	17.225	ug/l	99
11) Tert butyl alcohol	4.97	59	34237	91.875	ug/l	99
12) 1,1-Dichloroethene	3.88	96	58922	18.815	ug/l	100
13) Acrolein	3.74	56	28528	91.502	ug/l	98
14) Allyl chloride	4.49	41	85087	18.837	ug/l	99
15) Acrylonitrile	5.18	53	89562	98.700	ug/l	100
16) Acetone	3.96	43	71107	92.508	ug/l	97
17) Carbon Disulfide	4.20	76	154795	16.719	ug/l	99
18) Methyl Acetate	4.48	43	43242	20.079	ug/l	98
19) Methyl tert-butyl Ether	5.22	73	165816	19.440	ug/l	99
20) Methylene Chloride	4.72	84	78744	16.715	ug/l	93
21) trans-1,2-Dichloroethene	5.22	96	63990	18.404	ug/l	96
22) Diisopropyl ether	6.13	45	181014	19.629	ug/l	98
23) Vinyl Acetate	6.07	43	580922	97.386	ug/l	98
24) 1,1-Dichloroethane	6.03	63	105480	19.307	ug/l	99
25) 2-Butanone	7.00	43	111001	96.370	ug/l	98
26) 2,2-Dichloropropane	6.99	77	97065	19.023	ug/l	99
27) cis-1,2-Dichloroethene	6.99	96	74062	19.058	ug/l	99
28) Bromochloromethane	7.34	49	45033	19.715	ug/l	96
29) Tetrahydrofuran	7.35	42	72154	96.979	ug/l	99
30) Chloroform	7.52	83	110921	19.385	ug/l	98
31) Cyclohexane	7.79	56	96493	18.107	ug/l	95
32) 1,1,1-Trichloroethane	7.71	97	101874	19.322	ug/l	99
36) 1,1-Dichloropropene	7.92	75	85082	18.815	ug/l	100
37) Ethyl Acetate	7.08	43	49075	19.545	ug/l	98
38) Carbon Tetrachloride	7.91	117	94114	18.885	ug/l	99

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.19	83	107292	17.999	ug/l	99
40) Benzene	8.16	78	251373	18.672	ug/l	100
41) Methacrylonitrile	7.32	41	24154m	19.214	ug/l	
42) 1,2-Dichloroethane	8.24	62	70767	18.939	ug/l	99
43) Isopropyl Acetate	8.28	43	90713	19.401	ug/l	99
44) Trichloroethene	8.94	130	77949	18.692	ug/l	95
45) 1,2-Dichloropropane	9.22	63	62804	19.399	ug/l	97
46) Dibromomethane	9.31	93	36511	18.888	ug/l	99
47) Bromodichloromethane	9.50	83	87461	19.379	ug/l	99
48) Methyl methacrylate	9.30	41	40105	19.116	ug/l	99
49) 1,4-Dioxane	9.30	88	10946	386.350	ug/l	96
51) 4-Methyl-2-Pentanone	10.07	43	239880	96.813	ug/l	100
52) Toluene	10.24	92	164397	18.868	ug/l	100
53) t-1,3-Dichloropropene	10.47	75	95144	19.397	ug/l	98
54) cis-1,3-Dichloropropene	9.93	75	107097	19.289	ug/l	98
55) 1,1,2-Trichloroethane	10.64	97	56711	19.672	ug/l	98
56) Ethyl methacrylate	10.51	69	74804	19.250	ug/l	100
57) 1,3-Dichloropropane	10.79	76	93416	19.432	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.78	63	181384	93.715	ug/l	99
59) 2-Hexanone	10.83	43	170069	97.629	ug/l	100
60) Dibromochloromethane	10.99	129	70724	19.237	ug/l	99
61) 1,2-Dibromoethane	11.09	107	55333	19.347	ug/l	97
64) Tetrachloroethene	10.72	164	80584	18.954	ug/l	97
65) Chlorobenzene	11.52	112	188186	19.485	ug/l	100
66) 1,1,1,2-Tetrachloroethane	11.59	131	72048	19.736	ug/l	99
67) Ethyl Benzene	11.59	91	323536	19.421	ug/l	100
68) m/p-Xylenes	11.70	106	251698	38.881	ug/l	99
69) o-Xylene	12.03	106	118948	19.493	ug/l	98
70) Styrene	12.04	104	206668	19.602	ug/l	99
71) Bromoform	12.20	173	48082	19.678	ug/l #	97
73) Isopropylbenzene	12.33	105	326400	19.535	ug/l	100
74) N-amyl acetate	12.14	43	84139	19.554	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.58	83	60598	19.562	ug/l	100
76) 1,2,3-Trichloropropane	12.63	75	44953m	18.934	ug/l	
77) Bromobenzene	12.61	156	84867	19.400	ug/l	99
78) n-propylbenzene	12.67	91	379597	19.583	ug/l	100
79) 2-Chlorotoluene	12.75	91	210187	19.359	ug/l	99
80) 1,3,5-Trimethylbenzene	12.81	105	274281	19.692	ug/l	99
81) trans-1,4-Dichloro-2-buten	12.38	75	24460	19.669	ug/l	99
82) 4-Chlorotoluene	12.85	91	221619	19.410	ug/l	100
83) tert-Butylbenzene	13.07	119	244013	19.558	ug/l	99
84) 1,2,4-Trimethylbenzene	13.12	105	275436	19.652	ug/l	100
85) sec-Butylbenzene	13.25	105	336979	19.855	ug/l	99
86) p-Isopropyltoluene	13.37	119	313190	19.674	ug/l	100
87) 1,3-Dichlorobenzene	13.36	146	161719	19.613	ug/l	99
88) 1,4-Dichlorobenzene	13.44	146	163294	19.776	ug/l	99
89) n-Butylbenzene	13.69	91	285892	19.866	ug/l	100
90) Hexachloroethane	13.96	117	58104	19.595	ug/l	99
91) 1,2-Dichlorobenzene	13.73	146	147046	19.594	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.36	75	11177	19.313	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	113113	20.086	ug/l	100
94) Hexachlorobutadiene	15.11	225	64472	19.863	ug/l	98
95) Naphthalene	15.23	128	219831	19.586	ug/l	100
96) 1,2,3-Trichlorobenzene	15.42	180	100679	20.038	ug/l	99

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

