

Data Path : Z:\VOASRV\HPCHEM1\MSVOA Y\DATA\VY061620\
 Data File : VY002903.D
 Acq On : 16 Jun 2020 12:36
 Operator : SY/MD
 Sample : VY0616SBS01
 Misc : 5.00G/5ML/MSVOA Y/SOIL
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 VY0616SBS01

Manual Integrations
 APPROVED

MMDadoda
 6/18/2020 11:14:22 AM

Quant Time: Jun 17 02:27:46 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_Y\METHODS\82Y052720S.M
 Quant Title : SW846 8260
 QLast Update : Wed May 27 13:13:33 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.80	168	267825	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.69	114	386135	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.49	117	363563	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.42	152	203134	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.15	65	112121	48.21	ug/l	0.00
Spiked Amount	50.000		Recovery	=	96.42%	
35) Dibromofluoromethane	7.72	113	116431	51.45	ug/l	0.00
Spiked Amount	50.000		Recovery	=	102.90%	
50) Toluene-d8	10.18	98	448325	49.00	ug/l	0.00
Spiked Amount	50.000		Recovery	=	98.00%	
62) 4-Bromofluorobenzene	12.48	95	161799	51.74	ug/l	0.00
Spiked Amount	50.000		Recovery	=	103.48%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.91	85	41093	22.299	ug/l	95
3) Chloromethane	2.11	50	48742	23.912	ug/l	99
4) Vinyl Chloride	2.25	62	49917	23.169	ug/l	98
5) Bromomethane	2.65	94	33728	20.890	ug/l	96
6) Chloroethane	2.79	64	30737	22.007	ug/l	98
7) Trichlorofluoromethane	3.13	101	89481	23.450	ug/l	98
8) Diethyl Ether	3.54	74	32060	21.517	ug/l	97
9) 1,1,2-Trichlorotrifluoroet	3.91	101	53916	23.798	ug/l	98
10) Methyl Iodide	4.10	142	66644	21.022	ug/l	99
11) Tert butyl alcohol	4.99	59	31320	118.598	ug/l #	92
12) 1,1-Dichloroethene	3.88	96	52019	22.831	ug/l	96
13) Acrolein	3.74	56	18213	66.832	ug/l	98
14) Allyl chloride	4.49	41	72913	22.313	ug/l	98
15) Acrylonitrile	5.18	53	77532	115.345	ug/l	99
16) Acetone	3.97	43	65353	119.849	ug/l	98
17) Carbon Disulfide	4.20	76	141044	20.486	ug/l	99
18) Methyl Acetate	4.49	43	37336	26.839	ug/l	99
19) Methyl tert-butyl Ether	5.23	73	143947	22.885	ug/l	98
20) Methylene Chloride	4.72	84	66717	25.036	ug/l	98
21) trans-1,2-Dichloroethene	5.22	96	57555	22.462	ug/l	95
22) Diisopropyl ether	6.13	45	153198	22.560	ug/l	95
23) Vinyl Acetate	6.07	43	496273	110.692	ug/l	99
24) 1,1-Dichloroethane	6.03	63	90811	22.861	ug/l	99
25) 2-Butanone	7.00	43	98437	115.867	ug/l	99
26) 2,2-Dichloropropane	6.99	77	89344	23.451	ug/l	98
27) cis-1,2-Dichloroethene	6.99	96	64737	22.569	ug/l	99
28) Bromochloromethane	7.34	49	35162	21.562	ug/l	97
29) Tetrahydrofuran	7.36	42	61836	111.898	ug/l	99
30) Chloroform	7.51	83	97592	23.152	ug/l	93
31) Cyclohexane	7.79	56	84796	21.500	ug/l	95
32) 1,1,1-Trichloroethane	7.71	97	91559	23.309	ug/l	99
36) 1,1-Dichloropropene	7.92	75	75292	23.148	ug/l	100
37) Ethyl Acetate	7.08	43	42667	24.109	ug/l	99
38) Carbon Tetrachloride	7.90	117	85697	23.716	ug/l	98

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.19	83	97819	22.816	ug/l	99
40) Benzene	8.16	78	221437	23.040	ug/l	98
41) Methacrylonitrile	7.32	41	20376m	21.432	ug/l	
42) 1,2-Dichloroethane	8.24	62	63248	23.481	ug/l	98
43) Isopropyl Acetate	8.28	43	78492	23.405	ug/l	99
44) Trichloroethene	8.94	130	70909	23.357	ug/l	96
45) 1,2-Dichloropropane	9.22	63	53583	23.248	ug/l	99
46) Dibromomethane	9.31	93	32116	23.463	ug/l	99
47) Bromodichloromethane	9.50	83	76593	23.736	ug/l	99
48) Methyl methacrylate	9.30	41	34755	22.957	ug/l	99
49) 1,4-Dioxane	9.31	88	9393	446.909	ug/l	98
51) 4-Methyl-2-Pentanone	10.07	43	209223	117.817	ug/l	100
52) Toluene	10.24	92	146199	23.253	ug/l	100
53) t-1,3-Dichloropropene	10.47	75	83237	23.616	ug/l	98
54) cis-1,3-Dichloropropene	9.93	75	93155	23.325	ug/l	99
55) 1,1,2-Trichloroethane	10.64	97	49313	23.532	ug/l	97
56) Ethyl methacrylate	10.51	69	65946	23.494	ug/l	98
57) 1,3-Dichloropropane	10.79	76	80765	23.432	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.78	63	154265	112.477	ug/l	99
59) 2-Hexanone	10.83	43	150623	119.543	ug/l	99
60) Dibromochloromethane	10.99	129	62641	23.577	ug/l	98
61) 1,2-Dibromoethane	11.09	107	48499	23.461	ug/l	100
64) Tetrachloroethene	10.72	164	76692	23.210	ug/l	97
65) Chlorobenzene	11.52	112	165690	23.058	ug/l	100
66) 1,1,1,2-Tetrachloroethane	11.59	131	63798	23.574	ug/l	100
67) Ethyl Benzene	11.59	91	289854	23.267	ug/l	98
68) m/p-Xylenes	11.70	106	223313	46.235	ug/l	100
69) o-Xylene	12.03	106	106718	23.405	ug/l	100
70) Styrene	12.05	104	184966	23.400	ug/l	100
71) Bromoform	12.20	173	43416	23.975	ug/l	98
73) Isopropylbenzene	12.33	105	294053	22.589	ug/l	100
74) N-amyl acetate	12.14	43	74186	22.211	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.58	83	54530	23.875	ug/l	98
76) 1,2,3-Trichloropropane	12.64	75	44386m	24.250	ug/l	
77) Bromobenzene	12.61	156	77254	22.791	ug/l	97
78) n-propylbenzene	12.67	91	342908	22.804	ug/l	100
79) 2-Chlorotoluene	12.76	91	188027	22.291	ug/l	99
80) 1,3,5-Trimethylbenzene	12.81	105	247887	22.806	ug/l	100
81) trans-1,4-Dichloro-2-buten	12.38	75	22395	23.051	ug/l	99
82) 4-Chlorotoluene	12.86	91	200962	22.740	ug/l	99
83) tert-Butylbenzene	13.08	119	220711	22.765	ug/l	99
84) 1,2,4-Trimethylbenzene	13.12	105	249672	22.845	ug/l	99
85) sec-Butylbenzene	13.25	105	303727	22.911	ug/l	100
86) p-Isopropyltoluene	13.37	119	285741	23.165	ug/l	99
87) 1,3-Dichlorobenzene	13.37	146	147799	23.019	ug/l	99
88) 1,4-Dichlorobenzene	13.45	146	148155	23.067	ug/l	100
89) n-Butylbenzene	13.70	91	261345	23.336	ug/l	99
90) Hexachloroethane	13.96	117	52850	22.886	ug/l	97
91) 1,2-Dichlorobenzene	13.74	146	133472	22.922	ug/l	98
92) 1,2-Dibromo-3-Chloropropan	14.36	75	10407	23.683	ug/l	94

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.01	180	101171	23.051	ug/l	99
94) Hexachlorobutadiene	15.11	225	58655	23.562	ug/l	99
95) Naphthalene	15.23	128	200351	22.767	ug/l	100
96) 1,2,3-Trichlorobenzene	15.42	180	91224	23.275	ug/l	99

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

