

Data Path : Z:\VOASRV\HPCHEM1\MSVOA Y\DATA\VY041720\
 Data File : VY002389.D
 Acq On : 17 Apr 2020 11:31
 Operator : SY/MD
 Sample : VY0417SBS01
 Misc : 5.00G/5ML/MSVOA Y/SOIL
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 VY0417SBS01

Manual Integrations
 APPROVED

MMDadoda
 4/20/2020 11:41:47 AM

Quant Time: Apr 18 04:55:05 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_Y\METHODS\82Y040820S.M
 Quant Title : SW846 8260
 QLast Update : Wed Apr 08 15:15:02 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.82	168	161023	50.00	ug/l	0.01
34) 1,4-Difluorobenzene	8.71	114	285656	50.00	ug/l	0.01
63) Chlorobenzene-d5	11.50	117	257397	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.44	152	116923	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.16	65	74144	41.41	ug/l	0.00
Spiked Amount	50.000		Recovery	=	82.82%	
35) Dibromofluoromethane	7.74	113	81755	48.10	ug/l	0.00
Spiked Amount	50.000		Recovery	=	96.20%	
50) Toluene-d8	10.19	98	336141	47.25	ug/l	0.00
Spiked Amount	50.000		Recovery	=	94.50%	
62) 4-Bromofluorobenzene	12.49	95	110946	47.27	ug/l	0.00
Spiked Amount	50.000		Recovery	=	94.54%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.91	85	29703	18.252	ug/l	99
3) Chloromethane	2.13	50	39027	19.055	ug/l	100
4) Vinyl Chloride	2.27	62	42197	19.356	ug/l	96
5) Bromomethane	2.66	94	25962	19.285	ug/l	95
6) Chloroethane	2.81	64	24163	19.219	ug/l	92
7) Trichlorofluoromethane	3.15	101	56360	20.019	ug/l	100
8) Diethyl Ether	3.55	74	24882	20.789	ug/l	87
9) 1,1,2-Trichlorotrifluoroet	3.93	101	40448	21.150	ug/l	98
10) Methyl Iodide	4.12	142	46489	20.913	ug/l	96
11) Tert butyl alcohol	5.00	59	22981	100.441	ug/l	99
12) 1,1-Dichloroethene	3.90	96	41583	21.387	ug/l	87
13) Acrolein	3.76	56	18523	80.225	ug/l	98
14) Allyl chloride	4.51	41	52126	16.602	ug/l #	92
15) Acrylonitrile	5.21	53	58461	95.515	ug/l	99
16) Acetone	3.98	43	42217	89.512	ug/l	89
17) Carbon Disulfide	4.22	76	129064	19.988	ug/l	98
18) Methyl Acetate	4.51	43	25459	17.403	ug/l	93
19) Methyl tert-butyl Ether	5.26	73	98847	19.338	ug/l	95
20) Methylene Chloride	4.76	84	50745	21.890	ug/l	92
21) trans-1,2-Dichloroethene	5.26	96	45474	20.837	ug/l	92
22) Diisopropyl ether	6.16	45	110149	17.433	ug/l	98
23) Vinyl Acetate	6.10	43	349285	86.745	ug/l	95
24) 1,1-Dichloroethane	6.05	63	68619	19.093	ug/l	98
25) 2-Butanone	7.02	43	64551	86.484	ug/l #	88
26) 2,2-Dichloropropane	7.01	77	57060	18.980	ug/l	97
27) cis-1,2-Dichloroethene	7.02	96	50333	21.157	ug/l	91
28) Bromochloromethane	7.36	49	28260	18.216	ug/l	86
29) Tetrahydrofuran	7.38	42	42208	85.549	ug/l	88
30) Chloroform	7.54	83	66668	19.679	ug/l	99
31) Cyclohexane	7.81	56	71279	18.894	ug/l #	85
32) 1,1,1-Trichloroethane	7.72	97	56427	20.011	ug/l	98
36) 1,1-Dichloropropene	7.94	75	56141	19.953	ug/l	97
37) Ethyl Acetate	7.10	43	28274	17.590	ug/l	97
38) Carbon Tetrachloride	7.93	117	49404	20.527	ug/l	98

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.20	83	78441	20.494	ug/l	89
40) Benzene	8.18	78	177173	20.754	ug/l	99
41) Methacrylonitrile	7.34	41	15385	16.225	ug/l #	100
42) 1,2-Dichloroethane	8.26	62	39411	18.637	ug/l	95
43) Isopropyl Acetate	8.29	43	50559	17.247	ug/l	95
44) Trichloroethene	8.96	130	53360	21.260	ug/l	97
45) 1,2-Dichloropropane	9.24	63	41315	19.506	ug/l	95
46) Dibromomethane	9.32	93	22419	20.244	ug/l	95
47) Bromodichloromethane	9.51	83	50634	19.926	ug/l	100
48) Methyl methacrylate	9.31	41	22720	17.284	ug/l	90
49) 1,4-Dioxane	9.32	88	6300	402.152	ug/l	92
51) 4-Methyl-2-Pentanone	10.08	43	132113	86.486	ug/l	92
52) Toluene	10.25	92	108135	21.019	ug/l	99
53) t-1,3-Dichloropropene	10.48	75	54295	19.611	ug/l	99
54) cis-1,3-Dichloropropene	9.94	75	66416	19.953	ug/l #	92
55) 1,1,2-Trichloroethane	10.66	97	34523	21.292	ug/l	99
56) Ethyl methacrylate	10.52	69	45891	19.831	ug/l	90
57) 1,3-Dichloropropane	10.80	76	58104	20.388	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.80	63	121814	101.651	ug/l	97
59) 2-Hexanone	10.85	43	94658	89.285	ug/l	93
60) Dibromochloromethane	11.00	129	35897	20.763	ug/l	96
61) 1,2-Dibromoethane	11.10	107	32201	20.861	ug/l	99
64) Tetrachloroethene	10.73	164	56309	21.638	ug/l	97
65) Chlorobenzene	11.53	112	114036	21.313	ug/l	95
66) 1,1,1,2-Tetrachloroethane	11.60	131	36784	20.823	ug/l	97
67) Ethyl Benzene	11.60	91	203757	20.802	ug/l	98
68) m/p-Xylenes	11.71	106	154963	42.239	ug/l	96
69) o-Xylene	12.04	106	72990	21.191	ug/l	95
70) Styrene	12.05	104	126152	21.111	ug/l	97
71) Bromoform	12.22	173	20526	21.366	ug/l #	98
73) Isopropylbenzene	12.34	105	192148	20.918	ug/l	98
74) N-amyl acetate	12.15	43	45752	17.547	ug/l	94
75) 1,1,2,2-Tetrachloroethane	12.60	83	24398	21.954	ug/l	99
76) 1,2,3-Trichloropropane	12.64	75	24788m	18.257	ug/l	
77) Bromobenzene	12.62	156	43329	21.440	ug/l	93
78) n-propylbenzene	12.68	91	235719	20.633	ug/l	98
79) 2-Chlorotoluene	12.77	91	126017	20.298	ug/l	97
80) 1,3,5-Trimethylbenzene	12.82	105	157630	20.750	ug/l	98
81) trans-1,4-Dichloro-2-buten	12.39	75	14478	20.740	ug/l	96
82) 4-Chlorotoluene	12.86	91	131247	20.170	ug/l	96
83) tert-Butylbenzene	13.08	119	136734	21.488	ug/l	97
84) 1,2,4-Trimethylbenzene	13.13	105	157579	20.773	ug/l	99
85) sec-Butylbenzene	13.26	105	200073	21.107	ug/l	100
86) p-Isopropyltoluene	13.38	119	171583	21.031	ug/l	98
87) 1,3-Dichlorobenzene	13.38	146	84807	21.653	ug/l	99
88) 1,4-Dichlorobenzene	13.45	146	85827	21.588	ug/l	98
89) n-Butylbenzene	13.70	91	172879	20.673	ug/l	99
90) Hexachloroethane	13.97	117	31737	20.414	ug/l	99
91) 1,2-Dichlorobenzene	13.75	146	76050	21.369	ug/l	98
92) 1,2-Dibromo-3-Chloropropan	14.36	75	5206	19.369	ug/l	89

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.02	180	49439	21.253	ug/l	98
94) Hexachlorobutadiene	15.13	225	24548	20.952	ug/l	98
95) Naphthalene	15.25	128	106366	20.884	ug/l	99
96) 1,2,3-Trichlorobenzene	15.44	180	42449	21.016	ug/l	99

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

