

Data Path : Z:\VOASRV\HPCHEM1\MSVOA Y\DATA\VY050520\
 Data File : VY002578.D
 Acq On : 05 May 2020 11:44
 Operator : SY/MD
 Sample : VY0505SBS01
 Misc : 5.00G/5ML/MSVOA Y/SOIL
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleID :
 VY0505SBS01

Manual Integrations
 APPROVED

MMDadoda
 5/6/2020 10:26:49 AM

Quant Time: May 06 06:30:39 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_Y\METHODS\82Y043020S.M
 Quant Title : SW846 8260
 QLast Update : Mon May 04 12:22:08 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.80	168	379905	50.00	ug/l	-0.01
34) 1,4-Difluorobenzene	8.69	114	569357	50.00	ug/l	-0.01
63) Chlorobenzene-d5	11.49	117	519656	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.43	152	270031	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.15	65	173151	54.21	ug/l	-0.01
Spiked Amount	50.000		Recovery	=	108.42%	
35) Dibromofluoromethane	7.73	113	180118	55.32	ug/l	0.00
Spiked Amount	50.000		Recovery	=	110.64%	
50) Toluene-d8	10.18	98	705336	55.47	ug/l	-0.01
Spiked Amount	50.000		Recovery	=	110.94%	
62) 4-Bromofluorobenzene	12.49	95	241584	55.99	ug/l	0.00
Spiked Amount	50.000		Recovery	=	111.98%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.90	85	45564	15.781	ug/l	98
3) Chloromethane	2.12	50	55737	18.109	ug/l	98
4) Vinyl Chloride	2.26	62	65611	18.461	ug/l	98
5) Bromomethane	2.64	94	46451	18.952	ug/l	97
6) Chloroethane	2.79	64	40865	19.257	ug/l	92
7) Trichlorofluoromethane	3.13	101	105367	19.129	ug/l	97
8) Diethyl Ether	3.54	74	37525	20.272	ug/l	100
9) 1,1,2-Trichlorotrifluoroet	3.91	101	66784	19.838	ug/l	99
10) Methyl Iodide	4.10	142	87019	18.973	ug/l	99
11) Tert butyl alcohol	4.97	59	34876	106.122	ug/l	98
12) 1,1-Dichloroethene	3.88	96	63699	19.477	ug/l	97
13) Acrolein	3.74	56	19227	84.605	ug/l	98
14) Allyl chloride	4.49	41	96559	20.264	ug/l	99
15) Acrylonitrile	5.18	53	91973	105.362	ug/l	99
16) Acetone	3.96	43	68765	104.310	ug/l	97
17) Carbon Disulfide	4.20	76	177603	18.051	ug/l	100
18) Methyl Acetate	4.49	43	46141	20.948	ug/l	97
19) Methyl tert-butyl Ether	5.23	73	175904	20.616	ug/l	97
20) Methylene Chloride	4.72	84	77373	20.988	ug/l	99
21) trans-1,2-Dichloroethene	5.23	96	71320	19.952	ug/l	98
22) Diisopropyl ether	6.13	45	203956	21.154	ug/l	99
23) Vinyl Acetate	6.07	43	634174	104.589	ug/l	100
24) 1,1-Dichloroethane	6.03	63	118108	20.707	ug/l	98
25) 2-Butanone	6.99	43	113588	105.259	ug/l	95
26) 2,2-Dichloropropane	6.99	77	107650	19.855	ug/l	100
27) cis-1,2-Dichloroethene	7.00	96	80921	20.460	ug/l	100
28) Bromochloromethane	7.34	49	49549	21.202	ug/l	100
29) Tetrahydrofuran	7.36	42	77785	108.947	ug/l	100
30) Chloroform	7.52	83	122079	20.584	ug/l	98
31) Cyclohexane	7.79	56	111447	19.411	ug/l	97
32) 1,1,1-Trichloroethane	7.71	97	109705	19.901	ug/l	100
36) 1,1-Dichloropropene	7.93	75	95065	19.917	ug/l	100
37) Ethyl Acetate	7.08	43	51336	20.930	ug/l	100
38) Carbon Tetrachloride	7.91	117	101510	19.480	ug/l	99

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.19	83	121991	19.351	ug/l	99
40) Benzene	8.17	78	278147	20.177	ug/l	100
41) Methacrylonitrile	7.33	41	24711m	18.738	ug/l	
42) 1,2-Dichloroethane	8.24	62	76551	19.797	ug/l	98
43) Isopropyl Acetate	8.28	43	96325	20.949	ug/l	99
44) Trichloroethene	8.94	130	88185	20.469	ug/l	98
45) 1,2-Dichloropropane	9.22	63	68476	20.582	ug/l	98
46) Dibromomethane	9.31	93	37285	19.478	ug/l	97
47) Bromodichloromethane	9.50	83	94284	20.256	ug/l	98
48) Methyl methacrylate	9.30	41	43800	21.048	ug/l	100
49) 1,4-Dioxane	9.30	88	11097	437.835	ug/l	97
51) 4-Methyl-2-Pentanone	10.08	43	253553	106.982	ug/l	100
52) Toluene	10.25	92	178596	20.159	ug/l	98
53) t-1,3-Dichloropropene	10.47	75	98106	20.117	ug/l	97
54) cis-1,3-Dichloropropene	9.93	75	112895	20.025	ug/l	96
55) 1,1,2-Trichloroethane	10.65	97	58084	20.807	ug/l	100
56) Ethyl methacrylate	10.51	69	77630	20.905	ug/l	98
57) 1,3-Dichloropropane	10.79	76	96568	20.399	ug/l	98
58) 2-Chloroethyl Vinyl ether	9.78	63	210655	107.567	ug/l	99
59) 2-Hexanone	10.83	43	176111	107.962	ug/l	99
60) Dibromochloromethane	10.99	129	72128	20.315	ug/l	99
61) 1,2-Dibromoethane	11.09	107	56216	20.338	ug/l	100
64) Tetrachloroethene	10.72	164	98240	21.277	ug/l	97
65) Chlorobenzene	11.52	112	199027	20.147	ug/l	98
66) 1,1,1,2-Tetrachloroethane	11.59	131	74240	20.245	ug/l	99
67) Ethyl Benzene	11.60	91	348659	20.093	ug/l	100
68) m/p-Xylenes	11.71	106	269228	40.099	ug/l	100
69) o-Xylene	12.03	106	127078	20.214	ug/l	99
70) Styrene	12.05	104	219086	20.386	ug/l	99
71) Bromoform	12.21	173	46484	20.424	ug/l #	99
73) Isopropylbenzene	12.33	105	350886	20.050	ug/l	99
74) N-amyl acetate	12.14	43	88521	21.027	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.58	83	53190	19.111	ug/l	97
76) 1,2,3-Trichloropropane	12.64	75	41046m	17.105	ug/l	
77) Bromobenzene	12.61	156	87005	19.899	ug/l	98
78) n-propylbenzene	12.67	91	406949	20.038	ug/l	100
79) 2-Chlorotoluene	12.76	91	225638	20.057	ug/l	99
80) 1,3,5-Trimethylbenzene	12.81	105	291807	20.115	ug/l	100
81) trans-1,4-Dichloro-2-buten	12.38	75	23995	20.050	ug/l	97
82) 4-Chlorotoluene	12.86	91	237857	20.128	ug/l	100
83) tert-Butylbenzene	13.08	119	254178	19.983	ug/l	99
84) 1,2,4-Trimethylbenzene	13.12	105	289181	20.002	ug/l	98
85) sec-Butylbenzene	13.25	105	359901	20.391	ug/l	100
86) p-Isopropyltoluene	13.37	119	336898	20.371	ug/l	99
87) 1,3-Dichlorobenzene	13.37	146	166950	20.174	ug/l	99
88) 1,4-Dichlorobenzene	13.45	146	165479	20.194	ug/l	98
89) n-Butylbenzene	13.70	91	309659	20.568	ug/l	99
90) Hexachloroethane	13.96	117	60749	20.171	ug/l	97
91) 1,2-Dichlorobenzene	13.74	146	149397	20.232	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.36	75	10379	20.005	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	110269	20.569	ug/l	100
94) Hexachlorobutadiene	15.11	225	66831	20.768	ug/l	98
95) Naphthalene	15.24	128	204624	20.923	ug/l	99
96) 1,2,3-Trichlorobenzene	15.43	180	94114	20.679	ug/l	98

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

