

Data Path : Z:\VOASRV\HPCHEM1\MSVOA Y\DATA\VY031820\
 Data File : VY002007.D
 Acq On : 18 Mar 2020 12:33
 Operator : SY/MD
 Sample : VY0318SBS01
 Misc : 5.00G/5ML/MSVOA Y/SOIL
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 VY0318SBS01

Manual Integrations
 APPROVED

MMDadoda
 3/19/2020 11:59:37 AM

Quant Time: Mar 19 04:24:15 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_Y\METHODS\82Y030420S.M
 Quant Title : SW846 8260
 QLast Update : Thu Mar 05 04:05:33 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.81	168	155842	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.71	114	278835	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.50	117	250424	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.43	152	114787	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.16	65	86762	52.15	ug/l	-0.01
Spiked Amount	50.000		Recovery	=	104.30%	
35) Dibromofluoromethane	7.74	113	83360	54.75	ug/l	-0.01
Spiked Amount	50.000		Recovery	=	109.50%	
50) Toluene-d8	10.19	98	355057	55.30	ug/l	0.00
Spiked Amount	50.000		Recovery	=	110.60%	
62) 4-Bromofluorobenzene	12.49	95	122139	54.71	ug/l	0.00
Spiked Amount	50.000		Recovery	=	109.42%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.91	85	26809	18.636	ug/l	95
3) Chloromethane	2.13	50	37515	19.343	ug/l	99
4) Vinyl Chloride	2.27	62	38534	19.533	ug/l	98
5) Bromomethane	2.66	94	26537	19.455	ug/l	99
6) Chloroethane	2.80	64	24803	20.015	ug/l	95
7) Trichlorofluoromethane	3.15	101	52732	19.709	ug/l	92
8) Diethyl Ether	3.55	74	20751	19.679	ug/l	97
9) 1,1,2-Trichlorotrifluoroet	3.92	101	35740	20.769	ug/l	100
10) Methyl Iodide	4.11	142	37615	18.902	ug/l	99
11) Tert butyl alcohol	4.97	59	22920	120.705	ug/l #	74
12) 1,1-Dichloroethene	3.90	96	35240	20.338	ug/l	98
13) Acrolein	3.75	56	16213	69.348	ug/l	98
14) Allyl chloride	4.51	41	63286	20.603	ug/l	99
15) Acrylonitrile	5.19	53	50975	90.465	ug/l	98
16) Acetone	3.97	43	42486	87.677	ug/l	100
17) Carbon Disulfide	4.22	76	106390	18.265	ug/l	98
18) Methyl Acetate	4.50	43	22806	18.317	ug/l	99
19) Methyl tert-butyl Ether	5.25	73	89521	19.065	ug/l	100
20) Methylene Chloride	4.74	84	45005	21.670	ug/l	97
21) trans-1,2-Dichloroethene	5.25	96	39954	20.316	ug/l	98
22) Diisopropyl ether	6.15	45	129209	20.521	ug/l	93
23) Vinyl Acetate	6.09	43	386613	93.662	ug/l	98
24) 1,1-Dichloroethane	6.05	63	69553	20.398	ug/l	98
25) 2-Butanone	7.01	43	65371	88.710	ug/l	100
26) 2,2-Dichloropropane	7.00	77	59883	21.397	ug/l	98
27) cis-1,2-Dichloroethene	7.01	96	43227	20.207	ug/l	96
28) Bromochloromethane	7.36	49	31988	20.813	ug/l	98
29) Tetrahydrofuran	7.37	42	42349	86.541	ug/l	99
30) Chloroform	7.53	83	66442	20.740	ug/l	98
31) Cyclohexane	7.80	56	72413	19.807	ug/l	99
32) 1,1,1-Trichloroethane	7.72	97	56103	20.778	ug/l	98
36) 1,1-Dichloropropene	7.94	75	54761	20.409	ug/l	99
37) Ethyl Acetate	7.10	43	29261	18.763	ug/l	99
38) Carbon Tetrachloride	7.92	117	47749	20.831	ug/l	99

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.19	83	72763	20.446	ug/l	99
40) Benzene	8.18	78	163539	20.563	ug/l	100
41) Methacrylonitrile	7.35	41	18938m	26.984	ug/l	
42) 1,2-Dichloroethane	8.25	62	40910	19.962	ug/l	100
43) Isopropyl Acetate	8.28	43	53889	18.251	ug/l	99
44) Trichloroethene	8.95	130	39742	20.518	ug/l	99
45) 1,2-Dichloropropane	9.23	63	41199	20.607	ug/l	95
46) Dibromomethane	9.32	93	19987	19.400	ug/l	99
47) Bromodichloromethane	9.50	83	48758	20.344	ug/l	99
48) Methyl methacrylate	9.30	41	23532	17.961	ug/l	95
49) 1,4-Dioxane	9.31	88	4799	339.937	ug/l #	79
51) 4-Methyl-2-Pentanone	10.08	43	143727	94.508	ug/l	99
52) Toluene	10.25	92	100456	20.792	ug/l	98
53) t-1,3-Dichloropropene	10.47	75	53027	20.308	ug/l	96
54) cis-1,3-Dichloropropene	9.94	75	63446	20.411	ug/l	99
55) 1,1,2-Trichloroethane	10.65	97	30074	19.946	ug/l	94
56) Ethyl methacrylate	10.52	69	41186	18.636	ug/l	96
57) 1,3-Dichloropropane	10.80	76	52765	19.632	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.79	63	114397	133.030	ug/l	99
59) 2-Hexanone	10.84	43	96274	88.694	ug/l	100
60) Dibromochloromethane	10.99	129	32023	20.155	ug/l	97
61) 1,2-Dibromoethane	11.10	107	27116	18.985	ug/l	100
64) Tetrachloroethene	10.72	164	33016	21.023	ug/l	98
65) Chlorobenzene	11.52	112	103212	20.685	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.60	131	34262	20.939	ug/l	100
67) Ethyl Benzene	11.60	91	193629	20.807	ug/l	99
68) m/p-Xylenes	11.70	106	145696	42.347	ug/l	98
69) o-Xylene	12.03	106	67275	20.746	ug/l	99
70) Styrene	12.05	104	115850	20.859	ug/l	100
71) Bromoform	12.21	173	16742	18.866	ug/l #	98
73) Isopropylbenzene	12.33	105	185405	21.159	ug/l	99
74) N-amyl acetate	12.15	43	49778	18.484	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.59	83	36038	19.072	ug/l	97
76) 1,2,3-Trichloropropane	12.64	75	23394m	17.176	ug/l	
77) Bromobenzene	12.61	156	37988	20.462	ug/l	97
78) n-propylbenzene	12.67	91	229594	21.238	ug/l	99
79) 2-Chlorotoluene	12.76	91	125448	21.004	ug/l	99
80) 1,3,5-Trimethylbenzene	12.81	105	151858	21.051	ug/l	100
81) trans-1,4-Dichloro-2-buten	12.38	75	12542	18.600	ug/l	97
82) 4-Chlorotoluene	12.86	91	131407	21.131	ug/l	100
83) tert-Butylbenzene	13.08	119	127231	21.235	ug/l	99
84) 1,2,4-Trimethylbenzene	13.13	105	154174	21.536	ug/l	100
85) sec-Butylbenzene	13.26	105	191234	21.654	ug/l	100
86) p-Isopropyltoluene	13.38	119	165710	21.752	ug/l	99
87) 1,3-Dichlorobenzene	13.37	146	77710	21.361	ug/l	99
88) 1,4-Dichlorobenzene	13.45	146	76513	20.731	ug/l	98
89) n-Butylbenzene	13.70	91	172365	21.808	ug/l	99
90) Hexachloroethane	13.97	117	29808	20.740	ug/l	97
91) 1,2-Dichlorobenzene	13.74	146	69482	21.023	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.36	75	5473	18.561	ug/l	97

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.02	180	44000	20.528	ug/l	96
94) Hexachlorobutadiene	15.12	225	23265	22.263	ug/l	98
95) Naphthalene	15.24	128	95211	18.727	ug/l	100
96) 1,2,3-Trichlorobenzene	15.43	180	38854	20.577	ug/l	98

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

