

Data Path : Z:\VOASRV\HPCHEM1\MSVOA Y\DATA\VY031820\
 Data File : VY002010.D
 Acq On : 18 Mar 2020 17:19
 Operator : SY/MD
 Sample : VSTDCCC050
 Misc : 5.00G/5ML/MSVOA Y/SOIL
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 VSTDCCC050EC

Manual Integrations
 APPROVED

MMDadoda
 3/19/2020 11:59:39 AM

Quant Time: Mar 19 04:31:37 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	7.82	168	147266	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.71	114	272253	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.50	117	242963	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.44	152	110656	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.16	65	82734	52.62	ug/l	0.00
Spiked Amount	50.000		Recovery	=	105.24%	
35) Dibromofluoromethane	7.74	113	78150	52.57	ug/l	0.00
Spiked Amount	50.000		Recovery	=	105.14%	
50) Toluene-d8	10.19	98	321511	51.29	ug/l	0.00
Spiked Amount	50.000		Recovery	=	102.58%	
62) 4-Bromofluorobenzene	12.49	95	113231	51.95	ug/l	0.00
Spiked Amount	50.000		Recovery	=	103.90%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.91	85	63608	46.792	ug/l	99
3) Chloromethane	2.13	50	90261	49.249	ug/l	100
4) Vinyl Chloride	2.27	62	96617	51.827	ug/l	100
5) Bromomethane	2.66	94	64303	60.258	ug/l	97
6) Chloroethane	2.81	64	63665	54.366	ug/l	91
7) Trichlorofluoromethane	3.15	101	134596	53.237	ug/l	96
8) Diethyl Ether	3.55	74	55868	56.067	ug/l	99
9) 1,1,2-Trichlorotrifluoroet	3.93	101	89267	54.895	ug/l	100
10) Methyl Iodide	4.11	142	108411	57.649	ug/l	99
11) Tert butyl alcohol	4.98	59	41555	254.390	ug/l	99
12) 1,1-Dichloroethene	3.90	96	87431	53.398	ug/l	96
13) Acrolein	3.76	56	46913	212.347	ug/l	97
14) Allyl chloride	4.50	41	165144	56.894	ug/l	100
15) Acrylonitrile	5.19	53	144624	271.610	ug/l	100
16) Acetone	3.97	43	107717	235.237	ug/l	96
17) Carbon Disulfide	4.22	76	274545	49.880	ug/l	99
18) Methyl Acetate	4.50	43	62996	53.542	ug/l	98
19) Methyl tert-butyl Ether	5.25	73	249277	56.181	ug/l	98
20) Methylene Chloride	4.74	84	105718	53.869	ug/l	97
21) trans-1,2-Dichloroethene	5.25	96	101666	54.706	ug/l	99
22) Diisopropyl ether	6.15	45	344581	57.913	ug/l	93
23) Vinyl Acetate	6.09	43	1093880	280.438	ug/l	99
24) 1,1-Dichloroethane	6.05	63	182964	56.784	ug/l	99
25) 2-Butanone	7.02	43	181829	261.116	ug/l	99
26) 2,2-Dichloropropane	7.01	77	150999	57.097	ug/l	98
27) cis-1,2-Dichloroethene	7.02	96	115189	56.981	ug/l	100
28) Bromochloromethane	7.36	49	80845	55.665	ug/l	100
29) Tetrahydrofuran	7.37	42	120474	260.528	ug/l	100
30) Chloroform	7.53	83	173811	57.416	ug/l	98
31) Cyclohexane	7.80	56	177251	51.306	ug/l	97
32) 1,1,1-Trichloroethane	7.72	97	146848	57.554	ug/l	99
36) 1,1-Dichloropropene	7.94	75	141009	53.822	ug/l	99
37) Ethyl Acetate	7.10	43	80616	52.943	ug/l	99
38) Carbon Tetrachloride	7.92	117	124983	55.844	ug/l	97

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.20	83	183659	52.854	ug/l	99
40) Benzene	8.18	78	431321	55.544	ug/l	100
41) Methacrylonitrile	7.34	41	34812m	50.801	ug/l	
42) 1,2-Dichloroethane	8.25	62	110683	55.314	ug/l	100
43) Isopropyl Acetate	8.29	43	155418	53.911	ug/l	99
44) Trichloroethene	8.96	130	103472	54.712	ug/l	95
45) 1,2-Dichloropropane	9.23	63	110286	56.497	ug/l	99
46) Dibromomethane	9.32	93	55084	54.758	ug/l	100
47) Bromodichloromethane	9.51	83	135097	57.732	ug/l	97
48) Methyl methacrylate	9.31	41	71809	56.135	ug/l	97
49) 1,4-Dioxane	9.32	88	13955	1012.400	ug/l	97
51) 4-Methyl-2-Pentanone	10.08	43	406493	273.753	ug/l	100
52) Toluene	10.25	92	262048	55.550	ug/l	100
53) t-1,3-Dichloropropene	10.48	75	144994	56.873	ug/l	98
54) cis-1,3-Dichloropropene	9.94	75	173276	57.093	ug/l	99
55) 1,1,2-Trichloroethane	10.66	97	81830	55.583	ug/l	99
56) Ethyl methacrylate	10.52	69	119092	55.189	ug/l	97
57) 1,3-Dichloropropane	10.80	76	145974	55.625	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.80	63	183080	241.621	ug/l	100
59) 2-Hexanone	10.85	43	269225	254.023	ug/l	99
60) Dibromochloromethane	11.00	129	89846	57.916	ug/l	100
61) 1,2-Dibromoethane	11.10	107	76122	54.586	ug/l	100
64) Tetrachloroethene	10.73	164	83386	54.727	ug/l	100
65) Chlorobenzene	11.53	112	272693	56.328	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.60	131	92269	58.120	ug/l	99
67) Ethyl Benzene	11.60	91	506430	56.091	ug/l	99
68) m/p-Xylenes	11.71	106	372869	111.704	ug/l	99
69) o-Xylene	12.04	106	177431	56.396	ug/l	99
70) Styrene	12.05	104	307978	57.155	ug/l	99
71) Bromoform	12.22	173	49397	57.374	ug/l	# 98
73) Isopropylbenzene	12.34	105	477572	56.536	ug/l	99
74) N-amyl acetate	12.15	43	138110	53.198	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.59	83	99293	54.508	ug/l	99
76) 1,2,3-Trichloropropane	12.64	75	75663m	57.626	ug/l	
77) Bromobenzene	12.62	156	100634	56.230	ug/l	98
78) n-propylbenzene	12.68	91	587051	56.331	ug/l	100
79) 2-Chlorotoluene	12.77	91	323673	56.216	ug/l	99
80) 1,3,5-Trimethylbenzene	12.82	105	395029	56.805	ug/l	100
81) trans-1,4-Dichloro-2-buten	12.39	75	35816	55.100	ug/l	99
82) 4-Chlorotoluene	12.86	91	339514	56.635	ug/l	99
83) tert-Butylbenzene	13.08	119	331594	57.410	ug/l	99
84) 1,2,4-Trimethylbenzene	13.13	105	390524	56.587	ug/l	99
85) sec-Butylbenzene	13.26	105	487182	57.224	ug/l	100
86) p-Isopropyltoluene	13.38	119	415891	56.629	ug/l	99
87) 1,3-Dichlorobenzene	13.38	146	196103	55.916	ug/l	99
88) 1,4-Dichlorobenzene	13.45	146	196630	55.266	ug/l	100
89) n-Butylbenzene	13.70	91	420117	55.137	ug/l	99
90) Hexachloroethane	13.97	117	80471	58.082	ug/l	99
91) 1,2-Dichlorobenzene	13.75	146	177179	55.609	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.36	75	14705	51.732	ug/l	99

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.02	180	108685	52.600	ug/l	98
94) Hexachlorobutadiene	15.12	225	53662	53.269	ug/l	100
95) Naphthalene	15.24	128	251450	51.305	ug/l	99
96) 1,2,3-Trichlorobenzene	15.43	180	94783	52.072	ug/l	99

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

