

Data Path : Z:\VOASRV\HPCHEM1\MSVOA Y\DATA\VY051520\
 Data File : VY002694.D
 Acq On : 15 May 2020 12:33
 Operator : SY/MD
 Sample : VSTDICCC050
 Misc : 5.00G/5ML/MSVOA Y/SOIL
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 VSTDICCC050

Manual Integrations
 APPROVED

MMDadoda
 5/18/2020 1:36:06 PM

Quant Time: May 15 13:12:17 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_Y\METHODS\82Y051520S.M
 Quant Title : SW846 8260
 QLast Update : Fri May 15 12:50:53 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.80	168	360902	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.69	114	537889	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.49	117	495920	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.42	152	260307	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.15	65	146342	48.51	ug/l	0.00
Spiked Amount	50.000		Recovery	=	97.02%	
35) Dibromofluoromethane	7.72	113	152272	49.57	ug/l	0.00
Spiked Amount	50.000		Recovery	=	99.14%	
50) Toluene-d8	10.18	98	608096	50.46	ug/l	0.00
Spiked Amount	50.000		Recovery	=	100.92%	
62) 4-Bromofluorobenzene	12.48	95	205574	50.21	ug/l	0.00
Spiked Amount	50.000		Recovery	=	100.42%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.90	85	122727	47.090	ug/l	100
3) Chloromethane	2.12	50	142500	49.998	ug/l	100
4) Vinyl Chloride	2.25	62	151324	46.565	ug/l	100
5) Bromomethane	2.65	94	111966	48.669	ug/l	100
6) Chloroethane	2.80	64	98605	49.716	ug/l	100
7) Trichlorofluoromethane	3.13	101	257880	49.811	ug/l	100
8) Diethyl Ether	3.54	74	92706	52.746	ug/l	100
9) 1,1,2-Trichlorotrifluoroet	3.91	101	156448	49.447	ug/l	100
10) Methyl Iodide	4.10	142	236615	54.793	ug/l	100
11) Tert butyl alcohol	4.97	59	71357	230.867	ug/l	100
12) 1,1-Dichloroethene	3.88	96	158147	51.095	ug/l	100
13) Acrolein	3.74	56	84967	363.995	ug/l	100
14) Allyl chloride	4.49	41	230005	51.198	ug/l	100
15) Acrylonitrile	5.18	53	212702	257.550	ug/l	100
16) Acetone	3.96	43	155600	250.932	ug/l	100
17) Carbon Disulfide	4.20	76	501793	53.860	ug/l	100
18) Methyl Acetate	4.48	43	87144	42.958	ug/l	100
19) Methyl tert-butyl Ether	5.22	73	408575	50.745	ug/l	100
20) Methylene Chloride	4.72	84	172449	49.210	ug/l	100
21) trans-1,2-Dichloroethene	5.22	96	177548	52.302	ug/l	100
22) Diisopropyl ether	6.13	45	463297	50.868	ug/l	100
23) Vinyl Acetate	6.07	43	1516577	264.163	ug/l	100
24) 1,1-Dichloroethane	6.03	63	274627	51.028	ug/l	100
25) 2-Butanone	7.00	43	251060	247.767	ug/l	100
26) 2,2-Dichloropropane	6.99	77	243540	47.723	ug/l	100
27) cis-1,2-Dichloroethene	6.99	96	194168	51.634	ug/l	100
28) Bromochloromethane	7.34	49	105076	47.823	ug/l	100
29) Tetrahydrofuran	7.35	42	173514	257.585	ug/l	100
30) Chloroform	7.52	83	287027	51.077	ug/l	100
31) Cyclohexane	7.79	56	265308	48.890	ug/l	100
32) 1,1,1-Trichloroethane	7.71	97	261810	50.309	ug/l	100
36) 1,1-Dichloropropene	7.93	75	227166	50.679	ug/l	100
37) Ethyl Acetate	7.08	43	118385	51.274	ug/l	100
38) Carbon Tetrachloride	7.91	117	249285	50.915	ug/l	100

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.19	83	306892	51.635	ug/l	100
40) Benzene	8.17	78	672328	51.637	ug/l	100
41) Methacrylonitrile	7.33	41	72104m	58.132	ug/l	
42) 1,2-Dichloroethane	8.24	62	179478	49.758	ug/l	100
43) Isopropyl Acetate	8.28	43	220645	51.102	ug/l	100
44) Trichloroethene	8.94	130	214494	52.471	ug/l	100
45) 1,2-Dichloropropane	9.22	63	157926	50.505	ug/l	100
46) Dibromomethane	9.31	93	91936	51.084	ug/l	100
47) Bromodichloromethane	9.50	83	223604	51.049	ug/l	100
48) Methyl methacrylate	9.30	41	101065	51.790	ug/l	100
49) 1,4-Dioxane	9.30	88	24729	1040.027	ug/l	100
51) 4-Methyl-2-Pentanone	10.07	43	570372	257.207	ug/l	100
52) Toluene	10.24	92	433310	51.783	ug/l	100
53) t-1,3-Dichloropropene	10.47	75	237438	51.768	ug/l	100
54) cis-1,3-Dichloropropene	9.93	75	275806	51.854	ug/l	100
55) 1,1,2-Trichloroethane	10.64	97	134539	51.247	ug/l	100
56) Ethyl methacrylate	10.51	69	186456	53.298	ug/l	100
57) 1,3-Dichloropropane	10.79	76	228392	51.332	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.78	63	454331	245.390	ug/l	100
59) 2-Hexanone	10.83	43	400589	262.335	ug/l	100
60) Dibromochloromethane	10.99	129	176247	52.536	ug/l	100
61) 1,2-Dibromoethane	11.09	107	134727	51.631	ug/l	100
64) Tetrachloroethene	10.72	164	237971	53.686	ug/l	100
65) Chlorobenzene	11.52	112	480531	51.076	ug/l	100
66) 1,1,1,2-Tetrachloroethane	11.59	131	180442	51.704	ug/l	100
67) Ethyl Benzene	11.59	91	843869	51.185	ug/l	100
68) m/p-Xylenes	11.70	106	657556	102.909	ug/l	100
69) o-Xylene	12.03	106	310435	51.755	ug/l	100
70) Styrene	12.05	104	536364	52.370	ug/l	100
71) Bromoform	12.20	173	114851	53.054	ug/l	# 100
73) Isopropylbenzene	12.33	105	847270	50.500	ug/l	100
74) N-amyl acetate	12.14	43	208321	51.908	ug/l	100
75) 1,1,2,2-Tetrachloroethane	12.58	83	127050	48.272	ug/l	100
76) 1,2,3-Trichloropropane	12.63	75	110945m	49.161	ug/l	
77) Bromobenzene	12.61	156	211962	50.574	ug/l	100
78) n-propylbenzene	12.67	91	985028	50.594	ug/l	100
79) 2-Chlorotoluene	12.75	91	543641	50.364	ug/l	100
80) 1,3,5-Trimethylbenzene	12.81	105	713834	51.285	ug/l	100
81) trans-1,4-Dichloro-2-buten	12.38	75	57354	50.325	ug/l	100
82) 4-Chlorotoluene	12.85	91	565959	50.010	ug/l	100
83) tert-Butylbenzene	13.08	119	625947	51.299	ug/l	100
84) 1,2,4-Trimethylbenzene	13.12	105	711424	51.234	ug/l	100
85) sec-Butylbenzene	13.25	105	863384	50.983	ug/l	100
86) p-Isopropyltoluene	13.37	119	814805	51.344	ug/l	100
87) 1,3-Dichlorobenzene	13.36	146	402234	50.595	ug/l	100
88) 1,4-Dichlorobenzene	13.44	146	401279	51.016	ug/l	100
89) n-Butylbenzene	13.69	91	740044	51.158	ug/l	100
90) Hexachloroethane	13.96	117	150371	51.835	ug/l	100
91) 1,2-Dichlorobenzene	13.74	146	362264	51.086	ug/l	100
92) 1,2-Dibromo-3-Chloropropan	14.36	75	24166	48.959	ug/l	100

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.01	180	269904	52.180	ug/l	100
94) Hexachlorobutadiene	15.11	225	161185	51.823	ug/l	100
95) Naphthalene	15.23	128	492471	52.459	ug/l	100
96) 1,2,3-Trichlorobenzene	15.42	180	227385	51.854	ug/l	100

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

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