

Data Path : Z:\VOASRV\HPCHEM1\MSVOA Y\DATA\VY041520\
 Data File : VY002353.D
 Acq On : 15 Apr 2020 21:17
 Operator : SY/MD
 Sample : VSTDCCC050
 Misc : 5.00G/5ML/MSVOA Y/SOIL
 ALS Vial : 30 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 VSTDCCC050EC

Manual Integrations
 APPROVED

MMDadoda
 4/16/2020 10:31:38 AM

Quant Time: Apr 16 08:03:30 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	155440	50.00	ug/l	0.01
34) 1,4-Difluorobenzene	8.71	114	298532	50.00	ug/l	0.01
63) Chlorobenzene-d5	11.50	117	267460	50.00	ug/l	0.01
72) 1,4-Dichlorobenzene-d4	13.44	152	116916	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	8.16	65	87371	50.54	ug/l	0.00
Spiked Amount						
			Recovery	=	101.08%	
35) Dibromofluoromethane	7.75	113	89215	50.22	ug/l	0.01
Spiked Amount						
			Recovery	=	100.44%	
50) Toluene-d8	10.19	98	366422	49.28	ug/l	0.00
Spiked Amount						
			Recovery	=	98.56%	
62) 4-Bromofluorobenzene	12.49	95	119951	48.90	ug/l	0.00
Spiked Amount						
			Recovery	=	97.80%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	1.91	85	71316	45.396	ug/l	93
3) Chloromethane	2.13	50	95490	48.297	ug/l	99
4) Vinyl Chloride	2.26	62	99241	47.158	ug/l	95
5) Bromomethane	2.66	94	65049	50.054	ug/l	97
6) Chloroethane	2.81	64	59679	49.172	ug/l	98
7) Trichlorofluoromethane	3.15	101	128703	47.356	ug/l	99
8) Diethyl Ether	3.55	74	61158	52.933	ug/l	100
9) 1,1,2-Trichlorotrifluoroet	3.93	101	88706	48.050	ug/l	99
10) Methyl Iodide	4.12	142	103428	48.198	ug/l	98
11) Tert butyl alcohol	4.99	59	52765	292.200	ug/l	100
12) 1,1-Dichloroethene	3.90	96	94494	50.346	ug/l	91
13) Acrolein	3.76	56	53853	241.622	ug/l	100
14) Allyl chloride	4.51	41	152136	50.196	ug/l	97
15) Acrylonitrile	5.20	53	160188	271.120	ug/l	98
16) Acetone	3.97	43	102149	224.363	ug/l	98
17) Carbon Disulfide	4.22	76	306510	49.173	ug/l	100
18) Methyl Acetate	4.51	43	74382	52.671	ug/l	99
19) Methyl tert-butyl Ether	5.25	73	261031	52.901	ug/l	100
20) Methylene Chloride	4.75	84	113972	50.931	ug/l	96
21) trans-1,2-Dichloroethene	5.25	96	107347	50.955	ug/l	97
22) Diisopropyl ether	6.16	45	314636	51.584	ug/l	95
23) Vinyl Acetate	6.10	43	1011430	260.212	ug/l	99
24) 1,1-Dichloroethane	6.05	63	181214	52.233	ug/l	99
25) 2-Butanone	7.02	43	179595	249.261	ug/l	99
26) 2,2-Dichloropropane	7.01	77	128010	44.109	ug/l	97
27) cis-1,2-Dichloroethene	7.02	96	121184	52.769	ug/l	95
28) Bromochloromethane	7.36	49	75385	50.336	ug/l	96
29) Tetrahydrofuran	7.38	42	123585	259.483	ug/l	99
30) Chloroform	7.53	83	169360	51.786	ug/l	99
31) Cyclohexane	7.81	56	168385	46.238	ug/l	95
32) 1,1,1-Trichloroethane	7.73	97	136252	50.055	ug/l	100
36) 1,1-Dichloropropene	7.94	75	137021	46.598	ug/l	98
37) Ethyl Acetate	7.10	43	83020	49.421	ug/l	99
38) Carbon Tetrachloride	7.93	117	115605	45.962	ug/l	99

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.20	83	180715	45.179	ug/l	98
40) Benzene	8.18	78	435412	48.805	ug/l	99
41) Methacrylonitrile	7.35	41	37344m	37.685	ug/l	
42) 1,2-Dichloroethane	8.26	62	104816	47.429	ug/l	98
43) Isopropyl Acetate	8.30	43	149023	48.642	ug/l	99
44) Trichloroethene	8.96	130	122211	46.593	ug/l	95
45) 1,2-Dichloropropane	9.24	63	110132	49.753	ug/l	99
46) Dibromomethane	9.32	93	57968	50.085	ug/l	100
47) Bromodichloromethane	9.52	83	131683	49.586	ug/l	97
48) Methyl methacrylate	9.31	41	64325	46.825	ug/l	93
49) 1,4-Dioxane	9.32	88	16420	1002.941	ug/l	96
51) 4-Methyl-2-Pentanone	10.08	43	403210	252.571	ug/l	98
52) Toluene	10.26	92	264139	49.128	ug/l	99
53) t-1,3-Dichloropropene	10.48	75	140111	48.423	ug/l	97
54) cis-1,3-Dichloropropene	9.94	75	171541	49.313	ug/l	97
55) 1,1,2-Trichloroethane	10.66	97	86550	51.078	ug/l	96
56) Ethyl methacrylate	10.52	69	123713	51.154	ug/l	95
57) 1,3-Dichloropropane	10.80	76	147233	49.435	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.80	63	328150	262.023	ug/l	100
59) 2-Hexanone	10.85	43	268315	242.170	ug/l	99
60) Dibromochloromethane	11.00	129	89804	49.703	ug/l	100
61) 1,2-Dibromoethane	11.10	107	80661	50.002	ug/l	99
64) Tetrachloroethene	10.73	164	126484	46.775	ug/l	96
65) Chlorobenzene	11.53	112	272428	49.000	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.60	131	90184	49.131	ug/l	98
67) Ethyl Benzene	11.60	91	489390	48.083	ug/l	99
68) m/p-Xylenes	11.71	106	364078	95.505	ug/l	99
69) o-Xylene	12.04	106	175036	48.907	ug/l	98
70) Styrene	12.05	104	303312	48.848	ug/l	99
71) Bromoform	12.22	173	51103	51.194	ug/l #	99
73) Isopropylbenzene	12.34	105	452813	49.299	ug/l	100
74) N-amyl acetate	12.15	43	127967	49.081	ug/l	98
75) 1,1,2,2-Tetrachloroethane	12.59	83	60120	54.100	ug/l	98
76) 1,2,3-Trichloropropane	12.64	75	63749m	46.955	ug/l	
77) Bromobenzene	12.62	156	100610	49.787	ug/l	99
78) n-propylbenzene	12.68	91	547729	47.948	ug/l	100
79) 2-Chlorotoluene	12.77	91	301818	48.617	ug/l	99
80) 1,3,5-Trimethylbenzene	12.82	105	367380	48.363	ug/l	99
81) trans-1,4-Dichloro-2-buten	12.39	75	34961	50.085	ug/l	97
82) 4-Chlorotoluene	12.86	91	312999	48.104	ug/l	100
83) tert-Butylbenzene	13.08	119	309601	48.658	ug/l	99
84) 1,2,4-Trimethylbenzene	13.13	105	365833	48.228	ug/l	99
85) sec-Butylbenzene	13.26	105	447768	47.240	ug/l	99
86) p-Isopropyltoluene	13.38	119	383157	46.967	ug/l	99
87) 1,3-Dichlorobenzene	13.38	146	186964	47.739	ug/l	99
88) 1,4-Dichlorobenzene	13.45	146	187386	47.136	ug/l	100
89) n-Butylbenzene	13.70	91	376387	45.011	ug/l	99
90) Hexachloroethane	13.97	117	74511	47.931	ug/l	99
91) 1,2-Dichlorobenzene	13.75	146	170185	47.823	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.37	75	12239	45.538	ug/l	92

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.02	180	99159	42.630	ug/l	98
94) Hexachlorobutadiene	15.12	225	49383	42.152	ug/l	98
95) Naphthalene	15.25	128	230878	45.333	ug/l	99
96) 1,2,3-Trichlorobenzene	15.44	180	85196	42.182	ug/l	99

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

