

Data Path : Z:\VOASRV\HPCHEM1\MSVOA Y\DATA\VY012120\
 Data File : VY001323.D
 Acq On : 21 Jan 2020 15:46
 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
 1/22/2020 10:49:39 AM

Quant Time: Jan 21 16:38:10 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_Y\METHODS\82Y012120S.M
 Quant Title : SW846 8260
 QLast Update : Tue Jan 21 16:22:02 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.82	168	190208	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.71	114	339062	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.50	117	301927	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.43	152	143749	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	8.17	65	106046	52.52	ug/l	0.00
Spiked Amount			Recovery	=	105.04%	
35) Dibromofluoromethane	7.75	113	98157	49.38	ug/l	0.00
Spiked Amount			Recovery	=	98.76%	
50) Toluene-d8	10.19	98	400147	52.31	ug/l	0.00
Spiked Amount			Recovery	=	104.62%	
62) 4-Bromofluorobenzene	12.49	95	152576	48.92	ug/l	0.00
Spiked Amount			Recovery	=	97.84%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	1.92	85	75005	50.893	ug/l	100
3) Chloromethane	2.13	50	108950	50.902	ug/l	100
4) Vinyl Chloride	2.27	62	117131	54.217	ug/l	100
5) Bromomethane	2.68	94	75632	63.217	ug/l	100
6) Chloroethane	2.82	64	74484	58.560	ug/l	100
7) Trichlorofluoromethane	3.16	101	149596	50.186	ug/l	100
8) Diethyl Ether	3.56	74	62007	53.159	ug/l	100
9) 1,1,2-Trichlorotrifluoroet	3.94	101	96542	50.471	ug/l	100
10) Methyl Iodide	4.13	142	133976	51.138	ug/l	100
11) Tert butyl alcohol	5.00	59	61787	289.170	ug/l	100
12) 1,1-Dichloroethene	3.91	96	98839	50.419	ug/l	100
13) Acrolein	3.77	56	34845	197.483	ug/l	100
14) Allyl chloride	4.52	41	177067	53.035	ug/l	100
15) Acrylonitrile	5.21	53	159595	270.957	ug/l	100
16) Acetone	3.99	43	140789	288.485	ug/l	100
17) Carbon Disulfide	4.23	76	309930	49.234	ug/l	100
18) Methyl Acetate	4.52	43	81079	51.457	ug/l	100
19) Methyl tert-butyl Ether	5.27	73	289864	53.018	ug/l	100
20) Methylene Chloride	4.77	84	123842	46.608	ug/l	100
21) trans-1,2-Dichloroethene	5.27	96	114727	51.534	ug/l	100
22) Diisopropyl ether	6.16	45	371864	54.315	ug/l	100
23) Vinyl Acetate	6.10	43	1224450	278.634	ug/l	100
24) 1,1-Dichloroethane	6.07	63	197756	52.991	ug/l	100
25) 2-Butanone	7.02	43	218199	289.105	ug/l	100
26) 2,2-Dichloropropane	7.02	77	171250	50.218	ug/l	100
27) cis-1,2-Dichloroethene	7.02	96	128651	52.570	ug/l	100
28) Bromochloromethane	7.37	49	85165	55.985	ug/l	100
29) Tetrahydrofuran	7.38	42	142508	278.225	ug/l	100
30) Chloroform	7.54	83	190290	52.269	ug/l	100
31) Cyclohexane	7.82	56	189062	48.429	ug/l	100
32) 1,1,1-Trichloroethane	7.74	97	164338	51.107	ug/l	100
36) 1,1-Dichloropropene	7.94	75	154926	49.933	ug/l	100
37) Ethyl Acetate	7.11	43	95148	51.632	ug/l	100
38) Carbon Tetrachloride	7.93	117	140433	49.532	ug/l	100

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.20	83	201489	48.235	ug/l	100
40) Benzene	8.19	78	467285	51.299	ug/l	100
41) Methacrylonitrile	7.35	41	46794m	53.862	ug/l	
42) 1,2-Dichloroethane	8.26	62	130980	51.381	ug/l	100
43) Isopropyl Acetate	8.30	43	188993	53.449	ug/l	100
44) Trichloroethene	8.96	130	118340	50.234	ug/l	100
45) 1,2-Dichloropropane	9.24	63	118948	52.506	ug/l	100
46) Dibromomethane	9.32	93	63211	51.466	ug/l	100
47) Bromodichloromethane	9.51	83	150990	50.567	ug/l	100
48) Methyl methacrylate	9.31	41	84452	51.960	ug/l	100
49) 1,4-Dioxane	9.32	88	17607	1160.845	ug/l	100
51) 4-Methyl-2-Pentanone	10.08	43	479831	267.306	ug/l	100
52) Toluene	10.25	92	296297	51.138	ug/l	100
53) t-1,3-Dichloropropene	10.47	75	171765	51.372	ug/l	100
54) cis-1,3-Dichloropropene	9.94	75	194088	51.425	ug/l	100
55) 1,1,2-Trichloroethane	10.65	97	95092	52.057	ug/l	100
56) Ethyl methacrylate	10.52	69	143867	51.627	ug/l	100
57) 1,3-Dichloropropane	10.80	76	164363	52.432	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.80	63	212973	219.877	ug/l	100
59) 2-Hexanone	10.84	43	342047	271.743	ug/l	100
60) Dibromochloromethane	10.99	129	105498	50.595	ug/l	100
61) 1,2-Dibromoethane	11.10	107	90326	50.903	ug/l	100
64) Tetrachloroethene	10.72	164	92038	47.689	ug/l	100
65) Chlorobenzene	11.52	112	308097	50.785	ug/l	100
66) 1,1,1,2-Tetrachloroethane	11.60	131	106876	51.157	ug/l	100
67) Ethyl Benzene	11.60	91	570402	51.345	ug/l	100
68) m/p-Xylenes	11.71	106	428781	102.627	ug/l	100
69) o-Xylene	12.03	106	205939	51.260	ug/l	100
70) Styrene	12.05	104	361991	51.413	ug/l	100
71) Bromoform	12.22	173	63571	49.707	ug/l #	100
73) Isopropylbenzene	12.33	105	554627	51.003	ug/l	100
74) N-amyl acetate	12.15	43	183986	53.728	ug/l	100
75) 1,1,2,2-Tetrachloroethane	12.59	83	120696	52.337	ug/l	100
76) 1,2,3-Trichloropropane	12.64	75	85584m	53.848	ug/l	
77) Bromobenzene	12.61	156	122812	51.088	ug/l	100
78) n-propylbenzene	12.67	91	674306	51.509	ug/l	100
79) 2-Chlorotoluene	12.76	91	380411	50.698	ug/l	100
80) 1,3,5-Trimethylbenzene	12.82	105	466068	51.458	ug/l	100
81) trans-1,4-Dichloro-2-buten	12.39	75	44938	49.441	ug/l	100
82) 4-Chlorotoluene	12.86	91	407287	50.881	ug/l	100
83) tert-Butylbenzene	13.08	119	395938	51.833	ug/l	100
84) 1,2,4-Trimethylbenzene	13.13	105	462616	51.360	ug/l	100
85) sec-Butylbenzene	13.26	105	568948	51.806	ug/l	100
86) p-Isopropyltoluene	13.38	119	492680	51.738	ug/l	100
87) 1,3-Dichlorobenzene	13.38	146	237696	52.073	ug/l	100
88) 1,4-Dichlorobenzene	13.45	146	238191	50.880	ug/l	100
89) n-Butylbenzene	13.70	91	494395	51.621	ug/l	100
90) Hexachloroethane	13.97	117	95251	51.298	ug/l	100
91) 1,2-Dichlorobenzene	13.75	146	219526	51.817	ug/l	100
92) 1,2-Dibromo-3-Chloropropan	14.36	75	20138	49.066	ug/l	100

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.02	180	141567	50.860	ug/l	100
94) Hexachlorobutadiene	15.12	225	70125	50.248	ug/l	100
95) Naphthalene	15.25	128	328627	50.743	ug/l	100
96) 1,2,3-Trichlorobenzene	15.43	180	125409	50.994	ug/l	100

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

