

Data Path : Z:\VOASRV\HPCHEM1\MSVOA Y\DATA\VY051120\
 Data File : VY002651.D
 Acq On : 11 May 2020 10:05
 Operator : SY/MD
 Sample : VSTDCCC050
 Misc : 5.00G/5ML/MSVOA Y/SOIL
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 VSTDCCC050

Manual Integrations
 APPROVED

MMDadoda
 5/12/2020 12:10:01 PM

Quant Time: May 11 15:15:27 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_Y\METHODS\82Y043020S.M
 Quant Title : SW846 8260
 QLast Update : Mon May 04 12:22:08 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.82	168	420725	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.71	114	615803	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.50	117	545113	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.44	152	275205	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.16	65	165455	46.77	ug/l	0.00
Spiked Amount 50.000			Recovery	=	93.54%	
35) Dibromofluoromethane	7.74	113	182544	51.83	ug/l	0.00
Spiked Amount 50.000			Recovery	=	103.66%	
50) Toluene-d8	10.19	98	706652	51.38	ug/l	0.00
Spiked Amount 50.000			Recovery	=	102.76%	
62) 4-Bromofluorobenzene	12.49	95	238136	51.03	ug/l	0.00
Spiked Amount 50.000			Recovery	=	102.06%	
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.91	85	174910	50.302	ug/l	100
3) Chloromethane	2.13	50	180859	53.059	ug/l	100
4) Vinyl Chloride	2.27	62	206493	52.463	ug/l	98
5) Bromomethane	2.67	94	133737	49.271	ug/l	99
6) Chloroethane	2.81	64	118003	50.211	ug/l	98
7) Trichlorofluoromethane	3.15	101	307475	50.405	ug/l	100
8) Diethyl Ether	3.55	74	101338	49.435	ug/l	97
9) 1,1,2-Trichlorotrifluoroet	3.93	101	191612	51.395	ug/l	99
10) Methyl Iodide	4.12	142	262116	51.605	ug/l	98
11) Tert butyl alcohol	4.99	59	74838	205.626	ug/l	100
12) 1,1-Dichloroethene	3.90	96	187387	51.738	ug/l	96
13) Acrolein	3.76	56	46764	185.812	ug/l	97
14) Allyl chloride	4.51	41	277354	52.559	ug/l	97
15) Acrylonitrile	5.20	53	222136	229.785	ug/l	100
16) Acetone	3.97	43	162348	222.373	ug/l	99
17) Carbon Disulfide	4.22	76	563843	51.748	ug/l	99
18) Methyl Acetate	4.51	43	109452	44.869	ug/l	99
19) Methyl tert-butyl Ether	5.25	73	461355	48.824	ug/l	99
20) Methylene Chloride	4.75	84	191963	47.019	ug/l	98
21) trans-1,2-Dichloroethene	5.25	96	205425	51.894	ug/l	98
22) Diisopropyl ether	6.15	45	544398	50.986	ug/l	96
23) Vinyl Acetate	6.09	43	1636741	243.744	ug/l	100
24) 1,1-Dichloroethane	6.05	63	326116	51.627	ug/l	99
25) 2-Butanone	7.02	43	261009	218.403	ug/l	99
26) 2,2-Dichloropropane	7.01	77	302667	50.409	ug/l	100
27) cis-1,2-Dichloroethene	7.02	96	221498	50.569	ug/l	99
28) Bromochloromethane	7.36	49	131712	50.892	ug/l	98
29) Tetrahydrofuran	7.38	42	180249	227.966	ug/l	99
30) Chloroform	7.54	83	329843	50.220	ug/l	100
31) Cyclohexane	7.81	56	308258	48.481	ug/l	99
32) 1,1,1-Trichloroethane	7.72	97	308834	50.589	ug/l	99
36) 1,1-Dichloropropene	7.94	75	267238	51.767	ug/l	100
37) Ethyl Acetate	7.10	43	122775	46.281	ug/l	99
38) Carbon Tetrachloride	7.93	117	287742	51.054	ug/l	99

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.20	83	349931	51.321	ug/l	99
40) Benzene	8.19	78	768290	51.529	ug/l	100
41) Methacrylonitrile	7.35	41	61211m	42.915	ug/l	
42) 1,2-Dichloroethane	8.26	62	196562	46.999	ug/l	98
43) Isopropyl Acetate	8.30	43	237656	47.787	ug/l	100
44) Trichloroethene	8.96	130	244975	52.575	ug/l	96
45) 1,2-Dichloropropane	9.24	63	184129	51.169	ug/l	100
46) Dibromomethane	9.32	93	100921	48.745	ug/l	98
47) Bromodichloromethane	9.52	83	254083	50.471	ug/l	98
48) Methyl methacrylate	9.31	41	106908	47.499	ug/l	97
49) 1,4-Dioxane	9.32	88	25804	941.314	ug/l	98
51) 4-Methyl-2-Pentanone	10.08	43	611272	238.461	ug/l	99
52) Toluene	10.26	92	490710	51.210	ug/l	100
53) t-1,3-Dichloropropene	10.48	75	265621	50.358	ug/l	98
54) cis-1,3-Dichloropropene	9.94	75	308168	50.538	ug/l	98
55) 1,1,2-Trichloroethane	10.66	97	146090	48.387	ug/l	97
56) Ethyl methacrylate	10.52	69	201095	50.067	ug/l	96
57) 1,3-Dichloropropane	10.80	76	249019	48.635	ug/l	98
58) 2-Chloroethyl Vinyl ether	9.80	63	510522	241.027	ug/l	99
59) 2-Hexanone	10.85	43	417430	236.597	ug/l	99
60) Dibromochloromethane	11.00	129	191281	49.812	ug/l	99
61) 1,2-Dibromoethane	11.10	107	144635	48.380	ug/l	99
64) Tetrachloroethene	10.74	164	268450	55.427	ug/l	99
65) Chlorobenzene	11.53	112	540238	52.133	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.60	131	201475	52.377	ug/l	99
67) Ethyl Benzene	11.61	91	956763	52.562	ug/l	99
68) m/p-Xylenes	11.72	106	737427	104.703	ug/l	100
69) o-Xylene	12.04	106	345052	52.324	ug/l	98
70) Styrene	12.06	104	592793	52.583	ug/l	99
71) Bromoform	12.22	173	120091	50.300	ug/l #	99
73) Isopropylbenzene	12.34	105	942314	52.832	ug/l	99
74) N-amyl acetate	12.16	43	217904	50.787	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.60	83	132400	46.676	ug/l	99
76) 1,2,3-Trichloropropane	12.64	75	114530m	46.830	ug/l	
77) Bromobenzene	12.62	156	232817	52.247	ug/l	98
78) n-propylbenzene	12.68	91	1084142	52.378	ug/l	100
79) 2-Chlorotoluene	12.77	91	598468	52.198	ug/l	99
80) 1,3,5-Trimethylbenzene	12.83	105	776393	52.514	ug/l	100
81) trans-1,4-Dichloro-2-buten	12.39	75	61452	50.385	ug/l #	72
82) 4-Chlorotoluene	12.87	91	623925	51.806	ug/l	99
83) tert-Butylbenzene	13.09	119	684671	52.815	ug/l	100
84) 1,2,4-Trimethylbenzene	13.13	105	768677	52.168	ug/l	99
85) sec-Butylbenzene	13.27	105	943683	52.460	ug/l	100
86) p-Isopropyltoluene	13.38	119	878722	52.134	ug/l	99
87) 1,3-Dichlorobenzene	13.38	146	428649	50.824	ug/l	100
88) 1,4-Dichlorobenzene	13.46	146	427931	51.241	ug/l	100
89) n-Butylbenzene	13.71	91	796304	51.897	ug/l	100
90) Hexachloroethane	13.97	117	163570	53.289	ug/l	99
91) 1,2-Dichlorobenzene	13.75	146	382065	50.768	ug/l	100
92) 1,2-Dibromo-3-Chloropropan	14.37	75	24469	46.277	ug/l	98

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.02	180	270206	49.454	ug/l	99
94) Hexachlorobutadiene	15.13	225	165934	50.595	ug/l	99
95) Naphthalene	15.25	128	466500	46.804	ug/l	100
96) 1,2,3-Trichlorobenzene	15.44	180	222653	48.003	ug/l	99

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

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