

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_Y\DATA\VY110719\
 Data File : VY000567.D
 Acq On : 07 Nov 2019 09:49
 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
 11/8/2019 4:07:29 PM

Quant Time: Nov 08 03:55:05 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_Y\METHODS\82Y103019S.M
 Quant Title : SW846 8260
 QLast Update : Wed Oct 30 13:30:53 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.80	168	292267	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.70	114	487259	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.49	117	443907	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.42	152	218968	50.00	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.15	65	160257	52.98	ug/l	0.00
Spiked Amount	50.000		Recovery	=	105.96%	
35) Dibromofluoromethane	7.73	113	144419	50.49	ug/l	0.00
Spiked Amount	50.000		Recovery	=	100.98%	
50) Toluene-d8	10.19	98	584679	53.87	ug/l	0.00
Spiked Amount	50.000		Recovery	=	107.74%	
62) 4-Bromofluorobenzene	12.48	95	217349	52.60	ug/l	0.00
Spiked Amount	50.000		Recovery	=	105.20%	

Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.90	85	148745	51.700	ug/l	100
3) Chloromethane	2.12	50	200044	50.474	ug/l	99
4) Vinyl Chloride	2.26	62	189238	51.417	ug/l	99
5) Bromomethane	2.66	94	112061	50.775	ug/l	91
6) Chloroethane	2.80	64	121444	52.723	ug/l	100
7) Trichlorofluoromethane	3.13	101	265281	53.373	ug/l	98
8) Diethyl Ether	3.54	74	93254	52.803	ug/l	95
9) 1,1,2-Trichlorotrifluoroet	3.90	101	159428	53.056	ug/l	95
10) Methyl Iodide	4.10	142	183847	46.707	ug/l	100
11) Tert butyl alcohol	5.00	59	63400	215.335	ug/l #	85
12) 1,1-Dichloroethene	3.88	96	156209	53.507	ug/l	89
13) Acrolein	3.74	56	69354	270.428	ug/l	97
14) Allyl chloride	4.49	41	266948	56.233	ug/l	99
15) Acrylonitrile	5.19	53	226695	250.573	ug/l	99
16) Acetone	3.97	43	202720	243.183	ug/l	98
17) Carbon Disulfide	4.20	76	477270	51.833	ug/l	99
18) Methyl Acetate	4.49	43	126977	48.989	ug/l	99
19) Methyl tert-butyl Ether	5.23	73	430437	53.028	ug/l	100
20) Methylene Chloride	4.72	84	173679	48.623	ug/l	98
21) trans-1,2-Dichloroethene	5.23	96	171920	52.089	ug/l	98
22) Diisopropyl ether	6.13	45	582470	56.451	ug/l #	98
23) Vinyl Acetate	6.07	43	1787402	274.421	ug/l	99
24) 1,1-Dichloroethane	6.03	63	304396	54.456	ug/l	99
25) 2-Butanone	7.00	43	360196	270.745	ug/l	97
26) 2,2-Dichloropropane	6.99	77	277529	54.329	ug/l	97
27) cis-1,2-Dichloroethene	7.00	96	192168	53.247	ug/l	96
28) Bromochloromethane	7.35	49	136694	53.324	ug/l	95
29) Tetrahydrofuran	7.36	42	197698	242.908	ug/l	99
30) Chloroform	7.52	83	302890	53.565	ug/l	99
31) Cyclohexane	7.79	56	307401	52.506	ug/l	94
32) 1,1,1-Trichloroethane	7.71	97	269658	53.508	ug/l	98
36) 1,1-Dichloropropene	7.93	75	244454	53.069	ug/l	98
37) Ethyl Acetate	7.08	43	139653	51.066	ug/l	98
38) Carbon Tetrachloride	7.91	117	236282	53.309	ug/l	99

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.19	83	321181	53.971	ug/l	98
40) Benzene	8.17	78	717761	53.149	ug/l	98
41) Methacrylonitrile	7.33	41	66420m	43.536	ug/l	
42) 1,2-Dichloroethane	8.25	62	205327	53.606	ug/l	100
43) Isopropyl Acetate	8.28	43	268835	52.330	ug/l	99
44) Trichloroethene	8.95	130	183441	51.519	ug/l	98
45) 1,2-Dichloropropane	9.22	63	181636	54.648	ug/l	97
46) Dibromomethane	9.32	93	95703	52.356	ug/l	98
47) Bromodichloromethane	9.50	83	233386	53.809	ug/l	99
48) Methyl methacrylate	9.30	41	120142	53.525	ug/l	97
49) 1,4-Dioxane	9.33	88	22453	912.678	ug/l #	74
51) 4-Methyl-2-Pentanone	10.08	43	721169	264.031	ug/l	99
52) Toluene	10.25	92	460344	53.917	ug/l	100
53) t-1,3-Dichloropropene	10.47	75	257906	55.650	ug/l	100
54) cis-1,3-Dichloropropene	9.94	75	291017	54.814	ug/l	98
55) 1,1,2-Trichloroethane	10.65	97	141412	53.486	ug/l	95
56) Ethyl methacrylate	10.52	69	210667	56.219	ug/l	99
57) 1,3-Dichloropropane	10.80	76	247383	53.461	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.79	63	427228	252.186	ug/l	97
59) 2-Hexanone	10.83	43	583634	293.274	ug/l	99
60) Dibromochloromethane	10.99	129	160694	53.063	ug/l	99
61) 1,2-Dibromoethane	11.09	107	133467	52.503	ug/l	98
64) Tetrachloroethene	10.72	164	183866	50.092	ug/l	98
65) Chlorobenzene	11.52	112	474258	52.695	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.59	131	165263	52.945	ug/l	99
67) Ethyl Benzene	11.60	91	895454	54.060	ug/l	98
68) m/p-Xylenes	11.70	106	674566	105.220	ug/l	94
69) o-Xylene	12.03	106	319474	53.023	ug/l	99
70) Styrene	12.05	104	557757	54.060	ug/l	99
71) Bromoform	12.21	173	96520	53.762	ug/l #	100
73) Isopropylbenzene	12.33	105	870982	53.819	ug/l	100
74) N-amyl acetate	12.14	43	255171	55.054	ug/l	98
75) 1,1,2,2-Tetrachloroethane	12.58	83	168456	52.571	ug/l	100
76) 1,2,3-Trichloropropane	12.63	75	129445m	51.918	ug/l	
77) Bromobenzene	12.61	156	188254	51.297	ug/l	95
78) n-propylbenzene	12.67	91	1066138	54.599	ug/l	99
79) 2-Chlorotoluene	12.76	91	589871	54.414	ug/l	98
80) 1,3,5-Trimethylbenzene	12.81	105	729664	54.136	ug/l	99
81) trans-1,4-Dichloro-2-buten	12.38	75	61024	54.878	ug/l	98
82) 4-Chlorotoluene	12.86	91	627376	55.832	ug/l	96
83) tert-Butylbenzene	13.08	119	612665	53.237	ug/l	99
84) 1,2,4-Trimethylbenzene	13.12	105	725846	54.087	ug/l	97
85) sec-Butylbenzene	13.25	105	888548	54.193	ug/l	100
86) p-Isopropyltoluene	13.37	119	789879	54.053	ug/l	99
87) 1,3-Dichlorobenzene	13.37	146	371525	51.685	ug/l	99
88) 1,4-Dichlorobenzene	13.45	146	379406	52.820	ug/l	100
89) n-Butylbenzene	13.70	91	790693	54.860	ug/l	99
90) Hexachloroethane	13.96	117	148735	55.056	ug/l	95
91) 1,2-Dichlorobenzene	13.74	146	344103	52.761	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.36	75	28559	50.360	ug/l	97

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.01	180	227802	51.298	ug/l	99
94) Hexachlorobutadiene	15.11	225	116924	51.078	ug/l	98
95) Naphthalene	15.23	128	504737	51.200	ug/l	100
96) 1,2,3-Trichlorobenzene	15.42	180	201557	50.591	ug/l	99

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

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