

Data Path : Z:\VOASRV\HPCHEM1\MSVOA Y\DATA\VY121719\
 Data File : VY000989.D
 Acq On : 17 Dec 2019 19:09
 Operator : SY/MD
 Sample : VSTDCCC050
 Misc : 5.00G/5ML/MSVOA Y/SOIL
 ALS Vial : 21 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 VSTDCCC050EC

Manual Integrations
 APPROVED

MMDadoda
 12/18/2019 1:02:06 PM

Quant Time: Dec 18 06:58:00 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_Y\METHODS\82Y112719S.M
 Quant Title : SW846 8260
 QLast Update : Wed Nov 27 12:40:47 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.80	168	251947	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.70	114	458904	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.49	117	420525	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.42	152	194196	50.00	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.15	65	142464	53.21	ug/l	0.00
Spiked Amount	50.000		Recovery	=	106.42%	
35) Dibromofluoromethane	7.73	113	139840	52.29	ug/l	0.00
Spiked Amount	50.000		Recovery	=	104.58%	
50) Toluene-d8	10.18	98	553738	51.79	ug/l	0.00
Spiked Amount	50.000		Recovery	=	103.58%	
62) 4-Bromofluorobenzene	12.48	95	193756	48.25	ug/l	0.00
Spiked Amount	50.000		Recovery	=	96.50%	

Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.90	85	99936	36.848	ug/l	95
3) Chloromethane	2.12	50	137741	41.201	ug/l	99
4) Vinyl Chloride	2.26	62	138854	42.143	ug/l	100
5) Bromomethane	2.65	94	93851	46.992	ug/l	94
6) Chloroethane	2.79	64	93899	46.482	ug/l	99
7) Trichlorofluoromethane	3.13	101	203317	45.027	ug/l	92
8) Diethyl Ether	3.54	74	86561	50.933	ug/l	98
9) 1,1,2-Trichlorotrifluoroet	3.90	101	132301	47.446	ug/l	98
10) Methyl Iodide	4.10	142	166217	47.344	ug/l	99
11) Tert butyl alcohol	4.97	59	66791	247.979	ug/l	100
12) 1,1-Dichloroethene	3.88	96	130541	47.255	ug/l	95
13) Acrolein	3.74	56	71669	270.123	ug/l	98
14) Allyl chloride	4.49	41	233678	49.334	ug/l	98
15) Acrylonitrile	5.18	53	234414	267.114	ug/l	98
16) Acetone	3.96	43	148870	242.406	ug/l	96
17) Carbon Disulfide	4.20	76	381799	42.733	ug/l	99
18) Methyl Acetate	4.49	43	139750	54.422	ug/l	99
19) Methyl tert-butyl Ether	5.23	73	388525	52.663	ug/l	99
20) Methylene Chloride	4.72	84	159981	49.419	ug/l	99
21) trans-1,2-Dichloroethene	5.23	96	152490	48.566	ug/l	97
22) Diisopropyl ether	6.13	45	505313	51.905	ug/l	98
23) Vinyl Acetate	6.07	43	1530636	258.621	ug/l	99
24) 1,1-Dichloroethane	6.03	63	268213	49.986	ug/l	98
25) 2-Butanone	7.00	43	284055	250.385	ug/l	98
26) 2,2-Dichloropropane	6.99	77	214802	47.564	ug/l	99
27) cis-1,2-Dichloroethene	7.00	96	178065	52.464	ug/l	97
28) Bromochloromethane	7.35	49	116461	58.826	ug/l	96
29) Tetrahydrofuran	7.36	42	204206	271.637	ug/l	98
30) Chloroform	7.52	83	267032	49.609	ug/l	98
31) Cyclohexane	7.79	56	249134	43.829	ug/l	98
32) 1,1,1-Trichloroethane	7.71	97	215173	48.410	ug/l	100
36) 1,1-Dichloropropene	7.93	75	208590	45.714	ug/l	100
37) Ethyl Acetate	7.08	43	129862	49.290	ug/l	99
38) Carbon Tetrachloride	7.91	117	183421	45.138	ug/l	94

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.19	83	261123	43.195	ug/l	99
40) Benzene	8.17	78	642478	48.340	ug/l	99
41) Methacrylonitrile	7.32	41	57619m	41.494	ug/l	
42) 1,2-Dichloroethane	8.24	62	170197	48.692	ug/l	100
43) Isopropyl Acetate	8.28	43	239229	48.183	ug/l	98
44) Trichloroethene	8.94	130	167378	49.002	ug/l	91
45) 1,2-Dichloropropane	9.22	63	170381	51.036	ug/l	97
46) Dibromomethane	9.31	93	88821	50.920	ug/l	98
47) Bromodichloromethane	9.50	83	204113	49.812	ug/l	96
48) Methyl methacrylate	9.30	41	106944	48.983	ug/l	94
49) 1,4-Dioxane	9.30	88	25620	1036.595	ug/l	98
51) 4-Methyl-2-Pentanone	10.07	43	654775	255.244	ug/l	100
52) Toluene	10.24	92	402426	48.902	ug/l	99
53) t-1,3-Dichloropropene	10.47	75	226518	51.453	ug/l	95
54) cis-1,3-Dichloropropene	9.93	75	262914	50.525	ug/l	97
55) 1,1,2-Trichloroethane	10.64	97	133209	51.689	ug/l	97
56) Ethyl methacrylate	10.51	69	194205	52.678	ug/l	98
57) 1,3-Dichloropropane	10.79	76	228307	50.830	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.78	63	370035	248.931	ug/l	100
59) 2-Hexanone	10.83	43	452831	242.250	ug/l	98
60) Dibromochloromethane	10.99	129	143861	51.855	ug/l	99
61) 1,2-Dibromoethane	11.09	107	124925	51.436	ug/l	97
64) Tetrachloroethene	10.72	164	171917	47.054	ug/l	97
65) Chlorobenzene	11.52	112	422588	48.344	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.59	131	145006	49.224	ug/l	98
67) Ethyl Benzene	11.59	91	764701	46.973	ug/l	97
68) m/p-Xylenes	11.70	106	582361	95.306	ug/l	97
69) o-Xylene	12.03	106	279139	48.994	ug/l	96
70) Styrene	12.04	104	481572	49.364	ug/l	98
71) Bromoform	12.20	173	83737	50.400	ug/l	# 99
73) Isopropylbenzene	12.33	105	730000	47.212	ug/l	99
74) N-amyl acetate	12.14	43	210986	49.024	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.58	83	152301	49.990	ug/l	99
76) 1,2,3-Trichloropropane	12.63	75	131039m	59.557	ug/l	
77) Bromobenzene	12.61	156	164001	48.931	ug/l	98
78) n-propylbenzene	12.67	91	882816	46.760	ug/l	99
79) 2-Chlorotoluene	12.75	91	491635	47.136	ug/l	99
80) 1,3,5-Trimethylbenzene	12.81	105	601358	46.972	ug/l	99
81) trans-1,4-Dichloro-2-buten	12.38	75	56955	50.848	ug/l	99
82) 4-Chlorotoluene	12.85	91	510583	47.515	ug/l	100
83) tert-Butylbenzene	13.07	119	503830	46.809	ug/l	99
84) 1,2,4-Trimethylbenzene	13.12	105	597165	46.622	ug/l	97
85) sec-Butylbenzene	13.25	105	733229	46.840	ug/l	99
86) p-Isopropyltoluene	13.36	119	637445	46.817	ug/l	100
87) 1,3-Dichlorobenzene	13.36	146	312294	47.497	ug/l	99
88) 1,4-Dichlorobenzene	13.44	146	315868	48.519	ug/l	99
89) n-Butylbenzene	13.69	91	636889	46.265	ug/l	100
90) Hexachloroethane	13.96	117	119852	47.785	ug/l	99
91) 1,2-Dichlorobenzene	13.73	146	293035	49.548	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.36	75	24757	48.538	ug/l	98

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.00	180	190529	47.609	ug/l	99
94) Hexachlorobutadiene	15.11	225	89196	44.954	ug/l	96
95) Naphthalene	15.23	128	460905	49.600	ug/l	99
96) 1,2,3-Trichlorobenzene	15.42	180	174425	48.795	ug/l	99

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

