

Data Path : Z:\VOASRV\HPCHEM1\MSVOA Y\DATA\VY123019\
 Data File : VY001117.D
 Acq On : 30 Dec 2019 10:47
 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

apatel
 12/31/2019 11:47:43 AM

Quant Time: Dec 31 05:39:44 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_Y\METHODS\82Y122319S.M
 Quant Title : SW846 8260
 QLast Update : Mon Dec 23 12:07:44 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.80	168	310788	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.70	114	534769	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.49	117	471084	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.42	152	208559	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.15	65	130691	42.64	ug/l	0.00
Spiked Amount	50.000		Recovery	=	85.28%	
35) Dibromofluoromethane	7.72	113	141248	44.85	ug/l	0.00
Spiked Amount	50.000		Recovery	=	89.70%	
50) Toluene-d8	10.18	98	574040	46.65	ug/l	0.00
Spiked Amount	50.000		Recovery	=	93.30%	
62) 4-Bromofluorobenzene	12.48	95	181235	40.28	ug/l	0.00
Spiked Amount	50.000		Recovery	=	80.56%	
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.91	85	119222	44.024	ug/l	100
3) Chloromethane	2.11	50	119580	32.444	ug/l	99
4) Vinyl Chloride	2.26	62	125176	34.971	ug/l	94
5) Bromomethane	2.65	94	84403	36.531	ug/l	92
6) Chloroethane	2.80	64	88888	39.871	ug/l	95
7) Trichlorofluoromethane	3.13	101	254737	48.521	ug/l	98
8) Diethyl Ether	3.54	74	106261	49.584	ug/l	88
9) 1,1,2-Trichlorotrifluoroet	3.90	101	174903	50.716	ug/l	96
10) Methyl Iodide	4.10	142	236325	49.598	ug/l	99
11) Tert butyl alcohol	4.97	59	73939	219.383	ug/l	100
12) 1,1-Dichloroethene	3.88	96	172092	49.289	ug/l	98
13) Acrolein	3.74	56	97833	234.278	ug/l	98
14) Allyl chloride	4.49	41	234869	43.302	ug/l	94
15) Acrylonitrile	5.18	53	253773	236.939	ug/l	98
16) Acetone	3.95	43	141791	200.795	ug/l	99
17) Carbon Disulfide	4.20	76	446089	39.100	ug/l	98
18) Methyl Acetate	4.49	43	115934	42.793	ug/l	94
19) Methyl tert-butyl Ether	5.22	73	449688	49.902	ug/l	95
20) Methylene Chloride	4.72	84	203371	48.929	ug/l	89
21) trans-1,2-Dichloroethene	5.23	96	193348	49.968	ug/l	96
22) Diisopropyl ether	6.13	45	495323	45.180	ug/l	96
23) Vinyl Acetate	6.07	43	1519149	219.411	ug/l #	93
24) 1,1-Dichloroethane	6.03	63	314905	48.606	ug/l	99
25) 2-Butanone	7.00	43	254602	205.238	ug/l	93
26) 2,2-Dichloropropane	6.99	77	263856	49.571	ug/l	97
27) cis-1,2-Dichloroethene	7.00	96	222770	52.403	ug/l	94
28) Bromochloromethane	7.35	49	111751	44.208	ug/l	87
29) Tetrahydrofuran	7.35	42	177015	200.603	ug/l	88
30) Chloroform	7.52	83	315870	51.560	ug/l	97
31) Cyclohexane	7.79	56	272145	39.947	ug/l	91
32) 1,1,1-Trichloroethane	7.71	97	271187	51.893	ug/l	98
36) 1,1-Dichloropropene	7.92	75	249338	48.874	ug/l	97
37) Ethyl Acetate	7.08	43	121119	42.876	ug/l	97
38) Carbon Tetrachloride	7.91	117	234819	52.535	ug/l	94

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.19	83	331474	48.928	ug/l	94
40) Benzene	8.17	78	788830	51.253	ug/l	98
41) Methacrylonitrile	7.33	41	58994m	48.170	ug/l	
42) 1,2-Dichloroethane	8.25	62	185162	50.320	ug/l	99
43) Isopropyl Acetate	8.28	43	229030	43.798	ug/l	95
44) Trichloroethene	8.94	130	215112	53.046	ug/l	100
45) 1,2-Dichloropropane	9.22	63	191364	49.562	ug/l	97
46) Dibromomethane	9.31	93	102799	51.649	ug/l	97
47) Bromodichloromethane	9.50	83	240554	52.177	ug/l	98
48) Methyl methacrylate	9.30	41	99045	44.385	ug/l	88
49) 1,4-Dioxane	9.30	88	30636	1052.226	ug/l	89
51) 4-Methyl-2-Pentanone	10.07	43	593612	217.795	ug/l	97
52) Toluene	10.25	92	487319	51.443	ug/l	100
53) t-1,3-Dichloropropene	10.47	75	259282	51.820	ug/l	96
54) cis-1,3-Dichloropropene	9.93	75	310231	51.563	ug/l	99
55) 1,1,2-Trichloroethane	10.64	97	154660	52.050	ug/l	94
56) Ethyl methacrylate	10.51	69	209414	49.519	ug/l	95
57) 1,3-Dichloropropane	10.79	76	263407	50.575	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.78	63	326548	199.922	ug/l	97
59) 2-Hexanone	10.83	43	412383	218.664	ug/l	95
60) Dibromochloromethane	10.99	129	174263	54.904	ug/l	100
61) 1,2-Dibromoethane	11.09	107	146691	51.626	ug/l	99
64) Tetrachloroethene	10.72	164	215453	52.859	ug/l	97
65) Chlorobenzene	11.52	112	523237	53.546	ug/l	95
66) 1,1,1,2-Tetrachloroethane	11.59	131	180244	55.894	ug/l	98
67) Ethyl Benzene	11.59	91	920350	52.364	ug/l	98
68) m/p-Xylenes	11.70	106	720604	107.978	ug/l	97
69) o-Xylene	12.03	106	341295	54.361	ug/l	96
70) Styrene	12.04	104	586442	54.934	ug/l	98
71) Bromoform	12.21	173	101694	56.636	ug/l #	100
73) Isopropylbenzene	12.33	105	886688	54.940	ug/l	98
74) N-amyl acetate	12.14	43	194268	45.819	ug/l	95
75) 1,1,2,2-Tetrachloroethane	12.58	83	164616	51.775	ug/l	99
76) 1,2,3-Trichloropropane	12.64	75	121083m	47.094	ug/l	
77) Bromobenzene	12.61	156	203966	56.192	ug/l	94
78) n-propylbenzene	12.67	91	1076258	54.728	ug/l	99
79) 2-Chlorotoluene	12.75	91	579548	53.364	ug/l	96
80) 1,3,5-Trimethylbenzene	12.81	105	723226	54.669	ug/l	99
81) trans-1,4-Dichloro-2-buten	12.38	75	64000	53.089	ug/l	95
82) 4-Chlorotoluene	12.86	91	598606	53.067	ug/l	98
83) tert-Butylbenzene	13.08	119	623588	56.154	ug/l	97
84) 1,2,4-Trimethylbenzene	13.12	105	718510	54.048	ug/l	99
85) sec-Butylbenzene	13.25	105	901789	55.083	ug/l	99
86) p-Isopropyltoluene	13.37	119	793126	55.988	ug/l	100
87) 1,3-Dichlorobenzene	13.37	146	385752	55.334	ug/l	100
88) 1,4-Dichlorobenzene	13.45	146	390256	55.493	ug/l	98
89) n-Butylbenzene	13.70	91	773252	54.254	ug/l	98
90) Hexachloroethane	13.96	117	151637	56.816	ug/l	94
91) 1,2-Dichlorobenzene	13.74	146	354896	55.188	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.36	75	25782	48.468	ug/l	90

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.01	180	240964	55.514	ug/l	100
94) Hexachlorobutadiene	15.11	225	119314	57.764	ug/l	99
95) Naphthalene	15.23	128	541408	53.038	ug/l	100
96) 1,2,3-Trichlorobenzene	15.42	180	217549	56.201	ug/l	97

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

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