

Data Path : Z:\VOASRV\HPCHEM1\MSVOA Y\DATA\VY122319\
 Data File : VY001019.D
 Acq On : 23 Dec 2019 11:06
 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

apatel
 12/24/2019 11:05:50 AM

Quant Time: Dec 23 11:39:08 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_Y\METHODS\82Y122319S.M
 Quant Title : SW846 8260
 QLast Update : Mon Dec 23 11:25:57 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.80	168	339710	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.69	114	590921	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.49	117	529380	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.42	152	244538	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.15	65	161732	48.01	ug/l	0.00
Spiked Amount	50.000		Recovery	=	96.02%	
35) Dibromofluoromethane	7.72	113	163992	47.50	ug/l	0.00
Spiked Amount	50.000		Recovery	=	95.00%	
50) Toluene-d8	10.18	98	687071	50.64	ug/l	0.00
Spiked Amount	50.000		Recovery	=	101.28%	
62) 4-Bromofluorobenzene	12.48	95	228048	45.52	ug/l	0.00
Spiked Amount	50.000		Recovery	=	91.04%	
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.90	85	138755	43.841	ug/l	100
3) Chloromethane	2.11	50	184953	44.503	ug/l	100
4) Vinyl Chloride	2.25	62	180492	44.553	ug/l	100
5) Bromomethane	2.65	94	114366	46.464	ug/l	100
6) Chloroethane	2.79	64	115056	45.951	ug/l	100
7) Trichlorofluoromethane	3.13	101	261923	44.757	ug/l	100
8) Diethyl Ether	3.53	74	108458	46.675	ug/l	100
9) 1,1,2-Trichlorotrifluoroet	3.90	101	174643	46.079	ug/l	100
10) Methyl Iodide	4.09	142	249953	49.164	ug/l	100
11) Tert butyl alcohol	4.96	59	83296	226.017	ug/l	100
12) 1,1-Dichloroethene	3.88	96	176791	46.440	ug/l	100
13) Acrolein	3.73	56	117986	285.612	ug/l	100
14) Allyl chloride	4.48	41	276352	45.194	ug/l	100
15) Acrylonitrile	5.18	53	277761	237.076	ug/l	100
16) Acetone	3.95	43	168309	215.234	ug/l	100
17) Carbon Disulfide	4.19	76	587429	47.400	ug/l	100
18) Methyl Acetate	4.48	43	131317	42.511	ug/l	100
19) Methyl tert-butyl Ether	5.22	73	466260	46.969	ug/l	100
20) Methylene Chloride	4.72	84	199399	44.143	ug/l	100
21) trans-1,2-Dichloroethene	5.22	96	198885	47.038	ug/l	100
22) Diisopropyl ether	6.13	45	562870	45.417	ug/l	100
23) Vinyl Acetate	6.07	43	1800799	231.768	ug/l	100
24) 1,1-Dichloroethane	6.03	63	330884	46.058	ug/l	100
25) 2-Butanone	7.00	43	312734	222.239	ug/l	100
26) 2,2-Dichloropropane	6.99	77	269130	45.220	ug/l	100
27) cis-1,2-Dichloroethene	6.99	96	218824	47.076	ug/l	100
28) Bromochloromethane	7.34	49	140683	50.735	ug/l	100
29) Tetrahydrofuran	7.35	42	220975	223.948	ug/l	100
30) Chloroform	7.52	83	312147	45.851	ug/l	100
31) Cyclohexane	7.79	56	329628	43.418	ug/l	100
32) 1,1,1-Trichloroethane	7.71	97	264423	45.490	ug/l	100
36) 1,1-Dichloropropene	7.92	75	261853	45.644	ug/l	100
37) Ethyl Acetate	7.08	43	144143	44.843	ug/l	100
38) Carbon Tetrachloride	7.91	117	231826	46.058	ug/l	100

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.19	83	351140	46.141	ug/l	100
40) Benzene	8.17	78	793457	46.317	ug/l	100
41) Methacrylonitrile	7.32	41	69812m	23.441	ug/l	
42) 1,2-Dichloroethane	8.25	62	194375	46.457	ug/l	100
43) Isopropyl Acetate	8.28	43	271908	45.820	ug/l	100
44) Trichloroethene	8.94	130	209067	46.651	ug/l	100
45) 1,2-Dichloropropane	9.22	63	200383	46.599	ug/l	100
46) Dibromomethane	9.31	93	105810	47.774	ug/l	100
47) Bromodichloromethane	9.50	83	244696	47.280	ug/l	100
48) Methyl methacrylate	9.30	41	119020	46.683	ug/l	100
49) 1,4-Dioxane	9.30	88	30801	964.879	ug/l	100
51) 4-Methyl-2-Pentanone	10.07	43	708224	227.603	ug/l	100
52) Toluene	10.24	92	494870	46.677	ug/l	100
53) t-1,3-Dichloropropene	10.47	75	266261	47.464	ug/l	100
54) cis-1,3-Dichloropropene	9.93	75	314633	46.750	ug/l	100
55) 1,1,2-Trichloroethane	10.64	97	154538	46.694	ug/l	100
56) Ethyl methacrylate	10.51	69	227024	47.884	ug/l	100
57) 1,3-Dichloropropane	10.79	76	271474	46.890	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.78	63	380681	206.941	ug/l	100
59) 2-Hexanone	10.83	43	492295	225.019	ug/l	100
60) Dibromochloromethane	10.99	129	169556	47.899	ug/l	100
61) 1,2-Dibromoethane	11.09	107	150874	48.148	ug/l	100
64) Tetrachloroethene	10.72	164	210854	45.878	ug/l	100
65) Chlorobenzene	11.51	112	507535	45.809	ug/l	100
66) 1,1,1,2-Tetrachloroethane	11.59	131	173616	47.400	ug/l	100
67) Ethyl Benzene	11.59	91	931567	46.300	ug/l	100
68) m/p-Xylenes	11.70	106	702969	92.568	ug/l	100
69) o-Xylene	12.03	106	332626	46.452	ug/l	100
70) Styrene	12.04	104	573836	47.155	ug/l	100
71) Bromoform	12.20	173	99092	48.579	ug/l #	100
73) Isopropylbenzene	12.33	105	882817	45.590	ug/l	100
74) N-amyl acetate	12.14	43	237545	46.218	ug/l	100
75) 1,1,2,2-Tetrachloroethane	12.58	83	174712	46.126	ug/l	100
76) 1,2,3-Trichloropropane	12.63	75	143971m	34.671	ug/l	
77) Bromobenzene	12.61	156	196693	45.727	ug/l	100
78) n-propylbenzene	12.67	91	1064600	45.221	ug/l	100
79) 2-Chlorotoluene	12.75	91	587882	45.119	ug/l	100
80) 1,3,5-Trimethylbenzene	12.81	105	727137	45.900	ug/l	100
81) trans-1,4-Dichloro-2-buten	12.38	75	67998	47.546	ug/l	100
82) 4-Chlorotoluene	12.85	91	614752	45.618	ug/l	100
83) tert-Butylbenzene	13.07	119	600215	44.820	ug/l	100
84) 1,2,4-Trimethylbenzene	13.11	105	728638	45.851	ug/l	100
85) sec-Butylbenzene	13.25	105	888870	45.357	ug/l	100
86) p-Isopropyltoluene	13.36	119	780881	45.973	ug/l	100
87) 1,3-Dichlorobenzene	13.36	146	380500	46.034	ug/l	100
88) 1,4-Dichlorobenzene	13.44	146	382391	45.990	ug/l	100
89) n-Butylbenzene	13.69	91	783997	45.708	ug/l	100
90) Hexachloroethane	13.95	117	150448	47.269	ug/l	100
91) 1,2-Dichlorobenzene	13.73	146	352623	46.400	ug/l	100
92) 1,2-Dibromo-3-Chloropropan	14.35	75	29219	46.028	ug/l	100

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.00	180	237448	46.363	ug/l	100
94) Hexachlorobutadiene	15.11	225	113592	46.529	ug/l	100
95) Naphthalene	15.23	128	561891	46.891	ug/l	100
96) 1,2,3-Trichlorobenzene	15.42	180	212668	46.712	ug/l	100

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

