

Data Path : Z:\VOASRV\HPCHEM1\MSVOA Y\DATA\VY091619\
 Data File : VY000049.D
 Acq On : 16 Sep 2019 16:39
 Operator : SY/MD
 Sample : VSTDCCC050
 Misc : 5.00g/5.00ml/MSVOA Y/SOIL
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 VSTDCCC050EC

Manual Integrations
 APPROVED

MMDadoda
 9/20/2019 1:02:24 AM

Quant Time: Sep 17 06:37:34 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_Y\METHODS\82Y091219S.M
 Quant Title : SW846 8260
 QLast Update : Thu Sep 12 16:17:30 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.79	168	118816	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.69	114	228324	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.49	117	200945	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.42	152	87853	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.14	65	69272	54.12	ug/l	0.00
Spiked Amount	50.000		Recovery	=	108.24%	
35) Dibromofluoromethane	7.72	113	67502	51.53	ug/l	0.00
Spiked Amount	50.000		Recovery	=	103.06%	
50) Toluene-d8	10.18	98	283152	53.69	ug/l	0.00
Spiked Amount	50.000		Recovery	=	107.38%	
62) 4-Bromofluorobenzene	12.48	95	96037	50.10	ug/l	0.00
Spiked Amount	50.000		Recovery	=	100.20%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.90	85	39317	44.872	ug/l	97
3) Chloromethane	2.11	50	53921	49.278	ug/l	92
4) Vinyl Chloride	2.25	62	62773	47.245	ug/l	94
5) Bromomethane	2.63	94	38631	47.024	ug/l	96
6) Chloroethane	2.78	64	42751	48.331	ug/l	97
7) Trichlorofluoromethane	3.12	101	83135	48.154	ug/l	98
8) Diethyl Ether	3.53	74	37405	52.720	ug/l	99
9) 1,1,2-Trichlorotrifluoroet	3.90	101	60260	51.291	ug/l	97
10) Methyl Iodide	4.09	142	68726	53.494	ug/l	100
11) Tert butyl alcohol	4.97	59	41799	256.878	ug/l #	87
12) 1,1-Dichloroethene	3.87	96	55126	50.346	ug/l	89
13) Acrolein	3.73	56	18524	164.759	ug/l	99
14) Allyl chloride	4.48	41	83210	48.945	ug/l	99
15) Acrylonitrile	5.17	53	115618	256.832	ug/l	99
16) Acetone	3.95	43	77346	217.935	ug/l	96
17) Carbon Disulfide	4.19	76	101382	50.485	ug/l	97
18) Methyl Acetate	4.48	43	48837	48.905	ug/l	93
19) Methyl tert-butyl Ether	5.22	73	174692	52.675	ug/l	99
20) Methylene Chloride	4.71	84	71927	57.578	ug/l	94
21) trans-1,2-Dichloroethene	5.21	96	59030	48.688	ug/l	94
22) Diisopropyl ether	6.12	45	192663	51.335	ug/l	96
23) Vinyl Acetate	6.06	43	659003	253.824	ug/l	97
24) 1,1-Dichloroethane	6.01	63	113838	51.186	ug/l	99
25) 2-Butanone	6.99	43	138470	240.055	ug/l	99
26) 2,2-Dichloropropane	6.98	77	103228	49.963	ug/l	100
27) cis-1,2-Dichloroethene	6.99	96	80798	52.821	ug/l	98
28) Bromochloromethane	7.34	49	56455	55.273	ug/l #	96
29) Tetrahydrofuran	7.35	42	86870	253.165	ug/l	98
30) Chloroform	7.51	83	117158	51.083	ug/l	98
31) Cyclohexane	7.78	56	83595	51.197	ug/l	93
32) 1,1,1-Trichloroethane	7.70	97	96131	51.097	ug/l	100
36) 1,1-Dichloropropene	7.92	75	81328	48.514	ug/l	99
37) Ethyl Acetate	7.08	43	56152	49.672	ug/l	98
38) Carbon Tetrachloride	7.90	117	79528	50.258	ug/l	96

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.18	83	96031	46.365	ug/l	94
40) Benzene	8.16	78	270244	49.515	ug/l	98
41) Methacrylonitrile	7.32	41	33420m	50.813	ug/l	
42) 1,2-Dichloroethane	8.24	62	70705	50.692	ug/l	100
43) Isopropyl Acetate	8.28	43	107480	49.064	ug/l	99
44) Trichloroethene	8.94	130	69514	51.010	ug/l	100
45) 1,2-Dichloropropane	9.21	63	71719	50.961	ug/l	98
46) Dibromomethane	9.31	93	38527	49.328	ug/l	99
47) Bromodichloromethane	9.49	83	93474	50.135	ug/l	100
48) Methyl methacrylate	9.29	41	45764	47.343	ug/l	95
49) 1,4-Dioxane	9.29	88	15025	918.575	ug/l	97
51) 4-Methyl-2-Pentanone	10.07	43	303191	247.002	ug/l	99
52) Toluene	10.24	92	170957	49.848	ug/l	99
53) t-1,3-Dichloropropene	10.46	75	100516	51.276	ug/l	99
54) cis-1,3-Dichloropropene	9.93	75	115176	50.493	ug/l	97
55) 1,1,2-Trichloroethane	10.65	97	62416	50.428	ug/l	93
56) Ethyl methacrylate	10.51	69	89290	51.404	ug/l	97
57) 1,3-Dichloropropane	10.79	76	102471	51.768	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.78	63	243309	255.711	ug/l	99
59) 2-Hexanone	10.84	43	220959	249.795	ug/l	99
60) Dibromochloromethane	10.98	129	65629	50.323	ug/l	98
61) 1,2-Dibromoethane	11.09	107	54950	50.265	ug/l	100
64) Tetrachloroethene	10.71	164	59195	48.038	ug/l	94
65) Chlorobenzene	11.51	112	189444	49.476	ug/l	100
66) 1,1,1,2-Tetrachloroethane	11.59	131	65214	49.154	ug/l	99
67) Ethyl Benzene	11.59	91	336369	48.356	ug/l	97
68) m/p-Xylenes	11.70	106	258658	98.539	ug/l	100
69) o-Xylene	12.02	106	126273	49.083	ug/l	98
70) Styrene	12.04	104	229413	51.262	ug/l	97
71) Bromoform	12.21	173	39462	49.262	ug/l #	96
73) Isopropylbenzene	12.32	105	333101	49.623	ug/l	100
74) N-amyl acetate	12.14	43	99014	49.970	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.58	83	79519	49.547	ug/l	98
76) 1,2,3-Trichloropropane	12.63	75	58115m	47.626	ug/l	
77) Bromobenzene	12.60	156	71126	50.090	ug/l	96
78) n-propylbenzene	12.66	91	411693	50.186	ug/l	99
79) 2-Chlorotoluene	12.75	91	227189	49.527	ug/l	98
80) 1,3,5-Trimethylbenzene	12.81	105	281413	50.209	ug/l	98
81) trans-1,4-Dichloro-2-buten	12.38	75	30012	48.786	ug/l	98
82) 4-Chlorotoluene	12.85	91	237823	49.399	ug/l	99
83) tert-Butylbenzene	13.07	119	242476	50.350	ug/l	99
84) 1,2,4-Trimethylbenzene	13.12	105	278101	50.230	ug/l	99
85) sec-Butylbenzene	13.25	105	357071	50.241	ug/l	99
86) p-Isopropyltoluene	13.37	119	305431	50.660	ug/l	98
87) 1,3-Dichlorobenzene	13.36	146	142555	49.883	ug/l	100
88) 1,4-Dichlorobenzene	13.44	146	143191	49.791	ug/l	99
89) n-Butylbenzene	13.69	91	312429	51.137	ug/l	100
90) Hexachloroethane	13.96	117	60040	49.832	ug/l	99
91) 1,2-Dichlorobenzene	13.73	146	132959	49.993	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.35	75	14681	53.062	ug/l	96

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.00	180	84501	49.792	ug/l	98
94) Hexachlorobutadiene	15.10	225	39475	50.715	ug/l	98
95) Naphthalene	15.23	128	231456	49.853	ug/l	99
96) 1,2,3-Trichlorobenzene	15.42	180	75989	49.880	ug/l	99

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

