

Data Path : Z:\VOASRV\HPCHEM1\MSVOA Y\DATA\VY091819\
 Data File : VY000068.D
 Acq On : 18 Sep 2019 18:56
 Operator : SY/MD
 Sample : VSTDCCC050
 Misc : 5.00g/5.00ml/MSVOA Y/SOIL
 ALS Vial : 13 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 VSTDCCC050EC

Manual Integrations
 APPROVED

MMDadoda
 9/20/2019 12:39:37 AM

Quant Time: Sep 19 05:13:24 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_Y\METHODS\82Y091719S.M
 Quant Title : SW846 8260
 QLast Update : Tue Sep 17 13:28:51 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.79	168	104745	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.69	114	200910	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.49	117	180508	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.42	152	79363	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	8.14	65	59438	49.32	ug/l	0.00
Spiked Amount						
			Recovery	=	98.64%	
35) Dibromofluoromethane	7.72	113	57978	47.66	ug/l	0.00
Spiked Amount						
			Recovery	=	95.32%	
50) Toluene-d8	10.18	98	241168	50.48	ug/l	0.00
Spiked Amount						
			Recovery	=	100.96%	
62) 4-Bromofluorobenzene	12.48	95	84957	47.89	ug/l	0.00
Spiked Amount						
			Recovery	=	95.78%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	1.90	85	35272	48.698	ug/l	95
3) Chloromethane	2.11	50	44074	45.885	ug/l	96
4) Vinyl Chloride	2.25	62	50120	42.883	ug/l	93
5) Bromomethane	2.63	94	33510	45.885	ug/l	95
6) Chloroethane	2.78	64	35476	45.283	ug/l	100
7) Trichlorofluoromethane	3.12	101	74514	46.110	ug/l	96
8) Diethyl Ether	3.53	74	34863	50.385	ug/l	99
9) 1,1,2-Trichlorotrifluoroet	3.89	101	53173	47.962	ug/l #	73
10) Methyl Iodide	4.09	142	58004	50.310	ug/l	100
11) Tert butyl alcohol	4.96	59	36436	255.037	ug/l	100
12) 1,1-Dichloroethene	3.86	96	46513	45.511	ug/l	98
13) Acrolein	3.73	56	11079	141.448	ug/l	95
14) Allyl chloride	4.48	41	74414	47.639	ug/l	99
15) Acrylonitrile	5.17	53	110471	266.251	ug/l	97
16) Acetone	3.95	43	73232	260.995	ug/l	95
17) Carbon Disulfide	4.19	76	86766	48.144	ug/l	96
18) Methyl Acetate	4.48	43	48423	51.656	ug/l	95
19) Methyl tert-butyl Ether	5.23	73	169060	52.933	ug/l	97
20) Methylene Chloride	4.71	84	64377	48.773	ug/l	98
21) trans-1,2-Dichloroethene	5.21	96	53322	46.935	ug/l	90
22) Diisopropyl ether	6.12	45	182337	51.665	ug/l	95
23) Vinyl Acetate	6.06	43	601008	254.445	ug/l	98
24) 1,1-Dichloroethane	6.01	63	103860	49.721	ug/l	96
25) 2-Butanone	6.99	43	125809	247.551	ug/l	98
26) 2,2-Dichloropropane	6.98	77	87696	44.486	ug/l	99
27) cis-1,2-Dichloroethene	6.99	96	71549	49.741	ug/l	98
28) Bromochloromethane	7.34	49	53701	55.462	ug/l	95
29) Tetrahydrofuran	7.35	42	79567	260.795	ug/l	99
30) Chloroform	7.51	83	107957	50.081	ug/l	99
31) Cyclohexane	7.78	56	74312	50.148	ug/l	96
32) 1,1,1-Trichloroethane	7.70	97	86028	49.134	ug/l	98
36) 1,1-Dichloropropene	7.92	75	70778	47.114	ug/l	99
37) Ethyl Acetate	7.07	43	52714	52.643	ug/l	98
38) Carbon Tetrachloride	7.90	117	68993	48.661	ug/l	96

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39) Methylcyclohexane	9.18	83	87915	47.593	ug/l	99
40) Benzene	8.16	78	249380	50.260	ug/l	94
41) Methacrylonitrile	7.31	41	21748m	31.100	ug/l	
42) 1,2-Dichloroethane	8.24	62	66069	50.270	ug/l	99
43) Isopropyl Acetate	8.27	43	101151	51.650	ug/l	99
44) Trichloroethene	8.94	130	62143	49.025	ug/l	99
45) 1,2-Dichloropropane	9.21	63	66184	51.492	ug/l	95
46) Dibromomethane	9.31	93	37000	52.702	ug/l	96
47) Bromodichloromethane	9.49	83	91296	53.590	ug/l #	94
48) Methyl methacrylate	9.29	41	45521	52.853	ug/l	97
49) 1,4-Dioxane	9.29	88	13772	1010.358	ug/l #	96
51) 4-Methyl-2-Pentanone	10.07	43	280892	262.700	ug/l	99
52) Toluene	10.24	92	153643	48.739	ug/l	98
53) t-1,3-Dichloropropene	10.46	75	93773	51.913	ug/l	99
54) cis-1,3-Dichloropropene	9.93	75	108039	51.794	ug/l	97
55) 1,1,2-Trichloroethane	10.65	97	58541	53.187	ug/l	96
56) Ethyl methacrylate	10.51	69	83404	53.252	ug/l	99
57) 1,3-Dichloropropane	10.79	76	97751	52.869	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.78	63	226746	267.813	ug/l	100
59) 2-Hexanone	10.83	43	199578	261.634	ug/l	99
60) Dibromochloromethane	10.98	129	61692	53.501	ug/l	97
61) 1,2-Dibromoethane	11.09	107	52473	52.194	ug/l	98
64) Tetrachloroethene	10.71	164	53312	47.056	ug/l	92
65) Chlorobenzene	11.51	112	176002	49.294	ug/l	97
66) 1,1,1,2-Tetrachloroethane	11.59	131	60988	50.518	ug/l	99
67) Ethyl Benzene	11.59	91	306907	48.164	ug/l	97
68) m/p-Xylenes	11.70	106	234481	96.709	ug/l	98
69) o-Xylene	12.02	106	114061	48.585	ug/l	98
70) Styrene	12.04	104	204501	49.619	ug/l	99
71) Bromoform	12.21	173	35609	50.950	ug/l #	100
73) Isopropylbenzene	12.33	105	306779	47.965	ug/l	98
74) N-amyl acetate	12.14	43	93651	51.398	ug/l	97
75) 1,1,2,2-Tetrachloroethane	12.58	83	75081	49.869	ug/l	98
76) 1,2,3-Trichloropropane	12.63	75	45660m	40.891	ug/l	
77) Bromobenzene	12.60	156	64715	48.457	ug/l	99
78) n-propylbenzene	12.67	91	371563	47.625	ug/l	100
79) 2-Chlorotoluene	12.76	91	208277	47.752	ug/l	99
80) 1,3,5-Trimethylbenzene	12.81	105	253589	47.864	ug/l	99
81) trans-1,4-Dichloro-2-buten	12.38	75	27421	47.229	ug/l	98
82) 4-Chlorotoluene	12.85	91	216442	47.991	ug/l	98
83) tert-Butylbenzene	13.07	119	216581	47.781	ug/l	98
84) 1,2,4-Trimethylbenzene	13.12	105	254906	48.802	ug/l	98
85) sec-Butylbenzene	13.25	105	319248	47.671	ug/l	99
86) p-Isopropyltoluene	13.37	119	272612	48.024	ug/l	99
87) 1,3-Dichlorobenzene	13.36	146	127383	48.083	ug/l	98
88) 1,4-Dichlorobenzene	13.44	146	129755	48.741	ug/l	99
89) n-Butylbenzene	13.69	91	281159	48.146	ug/l	100
90) Hexachloroethane	13.96	117	56620	50.757	ug/l	97
91) 1,2-Dichlorobenzene	13.74	146	121925	48.985	ug/l	98
92) 1,2-Dibromo-3-Chloropropan	14.35	75	13145	49.037	ug/l	95

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.01	180	76771	51.115	ug/l	100
94) Hexachlorobutadiene	15.10	225	33665	46.685	ug/l	95
95) Naphthalene	15.23	128	218243	51.187	ug/l	99
96) 1,2,3-Trichlorobenzene	15.42	180	71797	50.090	ug/l	99

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

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