

Data Path : Z:\VOASRV\HPCHEM1\MSVOA Y\DATA\VY091619\
 Data File : VY000042.D
 Acq On : 16 Sep 2019 11:54
 Operator : SY/MD
 Sample : VSTDCCC050
 Misc : 5.00g/5.00ml/MSVOA Y/SOIL
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 VSTDCCC050

Manual Integrations
 APPROVED

MMDadoda
 9/20/2019 1:02:12 AM

Quant Time: Sep 17 06:05:48 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	128938	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.69	114	241661	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.49	117	202365	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.42	152	91503	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.14	65	72573	52.25	ug/l	0.00
Spiked Amount	50.000		Recovery	=	104.50%	
35) Dibromofluoromethane	7.71	113	70955	51.18	ug/l	0.00
Spiked Amount	50.000		Recovery	=	102.36%	
50) Toluene-d8	10.18	98	299115	53.59	ug/l	0.00
Spiked Amount	50.000		Recovery	=	107.18%	
62) 4-Bromofluorobenzene	12.48	95	104094	51.31	ug/l	0.00
Spiked Amount	50.000		Recovery	=	102.62%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.90	85	46329	48.724	ug/l	97
3) Chloromethane	2.11	50	68519	59.310	ug/l	98
4) Vinyl Chloride	2.25	62	70257	48.727	ug/l	98
5) Bromomethane	2.63	94	44736	50.742	ug/l	95
6) Chloroethane	2.78	64	48267	50.284	ug/l	97
7) Trichlorofluoromethane	3.12	101	95351	50.894	ug/l	92
8) Diethyl Ether	3.53	74	42390	55.056	ug/l	98
9) 1,1,2-Trichlorotrifluoroet	3.89	101	68327	53.591	ug/l	99
10) Methyl Iodide	4.09	142	71419	51.226	ug/l	100
11) Tert butyl alcohol	4.96	59	46442	263.006	ug/l #	88
12) 1,1-Dichloroethene	3.87	96	61291	51.582	ug/l	83
13) Acrolein	3.73	56	30061	262.014	ug/l	95
14) Allyl chloride	4.47	41	98289	53.276	ug/l	99
15) Acrylonitrile	5.17	53	129416	264.914	ug/l	98
16) Acetone	3.95	43	98243	255.085	ug/l	92
17) Carbon Disulfide	4.18	76	114351	52.566	ug/l	100
18) Methyl Acetate	4.48	43	55913	51.596	ug/l	95
19) Methyl tert-butyl Ether	5.21	73	198155	55.059	ug/l	96
20) Methylene Chloride	4.71	84	76986	56.734	ug/l	97
21) trans-1,2-Dichloroethene	5.21	96	67135	51.026	ug/l	92
22) Diisopropyl ether	6.12	45	221591	54.408	ug/l	97
23) Vinyl Acetate	6.06	43	759300	269.497	ug/l	97
24) 1,1-Dichloroethane	6.02	63	129555	53.680	ug/l	97
25) 2-Butanone	6.99	43	166847	266.543	ug/l	96
26) 2,2-Dichloropropane	6.98	77	117126	52.240	ug/l	98
27) cis-1,2-Dichloroethene	6.99	96	88659	53.410	ug/l	99
28) Bromochloromethane	7.33	49	59205	53.415	ug/l #	99
29) Tetrahydrofuran	7.35	42	96825	260.025	ug/l	97
30) Chloroform	7.51	83	133373	53.588	ug/l	98
31) Cyclohexane	7.79	56	93865	53.110	ug/l	96
32) 1,1,1-Trichloroethane	7.70	97	109417	53.593	ug/l	99
36) 1,1-Dichloropropene	7.91	75	90393	50.945	ug/l	98
37) Ethyl Acetate	7.07	43	62615	52.333	ug/l	99
38) Carbon Tetrachloride	7.90	117	89015	53.149	ug/l	99

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.18	83	111203	50.728	ug/l	93
40) Benzene	8.16	78	303562	52.550	ug/l	99
41) Methacrylonitrile	7.31	41	29510m	42.392	ug/l	
42) 1,2-Dichloroethane	8.24	62	80745	54.695	ug/l	99
43) Isopropyl Acetate	8.27	43	123769	53.382	ug/l	99
44) Trichloroethene	8.94	130	79078	54.825	ug/l	93
45) 1,2-Dichloropropane	9.21	63	78847	52.934	ug/l	90
46) Dibromomethane	9.30	93	43583	52.722	ug/l	99
47) Bromodichloromethane	9.50	83	105233	53.327	ug/l #	98
48) Methyl methacrylate	9.29	41	55495	54.241	ug/l	98
49) 1,4-Dioxane	9.30	88	17420	1006.220	ug/l	97
51) 4-Methyl-2-Pentanone	10.07	43	346222	266.491	ug/l	100
52) Toluene	10.24	92	195668	53.905	ug/l	98
53) t-1,3-Dichloropropene	10.46	75	116183	55.997	ug/l	98
54) cis-1,3-Dichloropropene	9.93	75	129410	53.602	ug/l	96
55) 1,1,2-Trichloroethane	10.65	97	69469	53.029	ug/l	94
56) Ethyl methacrylate	10.51	69	101129	55.006	ug/l	97
57) 1,3-Dichloropropane	10.79	76	114864	54.827	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.78	63	238143	236.469	ug/l	99
59) 2-Hexanone	10.84	43	255860	273.287	ug/l	99
60) Dibromochloromethane	10.98	129	75895	54.983	ug/l	99
61) 1,2-Dibromoethane	11.09	107	64122	55.418	ug/l	97
64) Tetrachloroethene	10.72	164	65748	52.981	ug/l	96
65) Chlorobenzene	11.51	112	212750	55.173	ug/l	97
66) 1,1,1,2-Tetrachloroethane	11.59	131	73959	55.355	ug/l	100
67) Ethyl Benzene	11.59	91	375488	53.601	ug/l	95
68) m/p-Xylenes	11.70	106	292617	110.694	ug/l	98
69) o-Xylene	12.02	106	143360	55.333	ug/l	96
70) Styrene	12.04	104	252608	56.049	ug/l	99
71) Bromoform	12.21	173	44092	54.655	ug/l #	95
73) Isopropylbenzene	12.33	105	381317	54.540	ug/l	100
74) N-amyl acetate	12.14	43	114782	55.617	ug/l	97
75) 1,1,2,2-Tetrachloroethane	12.58	83	88348	52.852	ug/l	99
76) 1,2,3-Trichloropropane	12.63	75	56117m	44.154	ug/l	
77) Bromobenzene	12.60	156	82253	55.615	ug/l	98
78) n-propylbenzene	12.67	91	462579	54.140	ug/l	100
79) 2-Chlorotoluene	12.75	91	255119	53.397	ug/l	98
80) 1,3,5-Trimethylbenzene	12.81	105	315928	54.119	ug/l	97
81) trans-1,4-Dichloro-2-buten	12.38	75	34545	53.914	ug/l	99
82) 4-Chlorotoluene	12.85	91	267914	53.429	ug/l	97
83) tert-Butylbenzene	13.07	119	273102	54.447	ug/l	98
84) 1,2,4-Trimethylbenzene	13.12	105	312160	54.133	ug/l	99
85) sec-Butylbenzene	13.25	105	402246	54.339	ug/l	99
86) p-Isopropyltoluene	13.37	119	348004	55.418	ug/l	99
87) 1,3-Dichlorobenzene	13.36	146	161650	54.308	ug/l	100
88) 1,4-Dichlorobenzene	13.44	146	164425	54.893	ug/l	99
89) n-Butylbenzene	13.69	91	352866	55.452	ug/l	99
90) Hexachloroethane	13.96	117	69069	55.040	ug/l	98
91) 1,2-Dichlorobenzene	13.74	146	150286	54.254	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.35	75	16627	58.023	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	95571	54.069	ug/l	100
94) Hexachlorobutadiene	15.11	225	44465	54.847	ug/l	98
95) Naphthalene	15.23	128	260009	53.769	ug/l	99
96) 1,2,3-Trichlorobenzene	15.42	180	88250	55.617	ug/l	98

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

