

Data Path : Z:\VOASRV\HPCHEM1\MSVOA Y\DATA\VY091819\
 Data File : VY000059.D
 Acq On : 18 Sep 2019 14:38
 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 12:39:28 AM

Quant Time: Sep 19 04:32:10 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	116239	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.69	114	220294	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.49	117	188167	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.42	152	84318	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.14	65	61379	45.90	ug/l	0.00
Spiked Amount	50.000		Recovery	=	91.80%	
35) Dibromofluoromethane	7.71	113	61862	46.38	ug/l	0.00
Spiked Amount	50.000		Recovery	=	92.76%	
50) Toluene-d8	10.18	98	252268	48.15	ug/l	0.00
Spiked Amount	50.000		Recovery	=	96.30%	
62) 4-Bromofluorobenzene	12.48	95	87918	45.20	ug/l	0.00
Spiked Amount	50.000		Recovery	=	90.40%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.90	85	40581	50.680	ug/l	98
3) Chloromethane	2.11	50	55699	53.430	ug/l	98
4) Vinyl Chloride	2.25	62	64677	49.866	ug/l	95
5) Bromomethane	2.63	94	39395	49.039	ug/l	99
6) Chloroethane	2.78	64	41216	47.407	ug/l	93
7) Trichlorofluoromethane	3.12	101	85872	47.884	ug/l	88
8) Diethyl Ether	3.53	74	36654	47.736	ug/l	97
9) 1,1,2-Trichlorotrifluoroet	3.89	101	60431	49.118	ug/l	99
10) Methyl Iodide	4.09	142	60373	47.187	ug/l	98
11) Tert butyl alcohol	4.96	59	40550	255.767	ug/l #	85
12) 1,1-Dichloroethene	3.87	96	56593	49.898	ug/l	93
13) Acrolein	3.73	56	15893	196.929	ug/l	90
14) Allyl chloride	4.48	41	86887	50.123	ug/l	98
15) Acrylonitrile	5.17	53	118950	258.338	ug/l	97
16) Acetone	3.95	43	78994	253.693	ug/l	99
17) Carbon Disulfide	4.18	76	99866	50.082	ug/l	99
18) Methyl Acetate	4.48	43	48175	46.310	ug/l	100
19) Methyl tert-butyl Ether	5.21	73	178079	50.243	ug/l	97
20) Methylene Chloride	4.71	84	68106	46.496	ug/l	94
21) trans-1,2-Dichloroethene	5.21	96	59683	47.339	ug/l	91
22) Diisopropyl ether	6.12	45	196116	50.075	ug/l	97
23) Vinyl Acetate	6.06	43	671990	256.365	ug/l	96
24) 1,1-Dichloroethane	6.01	63	117475	50.678	ug/l	97
25) 2-Butanone	6.99	43	140111	248.431	ug/l	94
26) 2,2-Dichloropropane	6.98	77	105362	48.163	ug/l	99
27) cis-1,2-Dichloroethene	6.98	96	80575	50.477	ug/l	98
28) Bromochloromethane	7.33	49	57649	53.652	ug/l	97
29) Tetrahydrofuran	7.35	42	86418	255.242	ug/l	99
30) Chloroform	7.51	83	118136	49.384	ug/l	100
31) Cyclohexane	7.78	56	85004	51.844	ug/l	96
32) 1,1,1-Trichloroethane	7.70	97	96949	49.896	ug/l	99
36) 1,1-Dichloropropene	7.92	75	79632	48.343	ug/l	98
37) Ethyl Acetate	7.07	43	59172	53.892	ug/l	96
38) Carbon Tetrachloride	7.90	117	78441	50.456	ug/l	98

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.18	83	102251	50.483	ug/l	99
40) Benzene	8.16	78	272690	50.122	ug/l	96
41) Methacrylonitrile	7.31	41	31704m	40.565	ug/l	
42) 1,2-Dichloroethane	8.24	62	72047	49.995	ug/l	98
43) Isopropyl Acetate	8.28	43	111162	51.768	ug/l	99
44) Trichloroethene	8.94	130	67169	48.327	ug/l	89
45) 1,2-Dichloropropane	9.21	63	70882	50.295	ug/l	89
46) Dibromomethane	9.31	93	37792	49.094	ug/l	100
47) Bromodichloromethane	9.50	83	94643	50.666	ug/l	97
48) Methyl methacrylate	9.29	41	45910	48.614	ug/l	94
49) 1,4-Dioxane	9.30	88	14845	993.247	ug/l	93
51) 4-Methyl-2-Pentanone	10.07	43	303547	258.908	ug/l	99
52) Toluene	10.24	92	171121	49.507	ug/l	100
53) t-1,3-Dichloropropene	10.46	75	100347	50.665	ug/l	96
54) cis-1,3-Dichloropropene	9.93	75	116194	50.802	ug/l	97
55) 1,1,2-Trichloroethane	10.65	97	61528	50.982	ug/l	98
56) Ethyl methacrylate	10.51	69	89374	52.042	ug/l	98
57) 1,3-Dichloropropane	10.79	76	102652	50.635	ug/l	97
58) 2-Chloroethyl Vinyl ether	9.78	63	232248	250.175	ug/l	99
59) 2-Hexanone	10.83	43	227168	271.598	ug/l	99
60) Dibromochloromethane	10.99	129	65335	51.675	ug/l	98
61) 1,2-Dibromoethane	11.09	107	55166	50.044	ug/l	97
64) Tetrachloroethene	10.71	164	58199	49.279	ug/l	97
65) Chlorobenzene	11.51	112	189601	50.941	ug/l	100
66) 1,1,1,2-Tetrachloroethane	11.59	131	66294	52.678	ug/l	97
67) Ethyl Benzene	11.59	91	337592	50.824	ug/l	97
68) m/p-Xylenes	11.70	106	258890	102.430	ug/l	98
69) o-Xylene	12.02	106	123976	50.659	ug/l	98
70) Styrene	12.04	104	224137	52.170	ug/l	99
71) Bromoform	12.21	173	39144	53.729	ug/l #	99
73) Isopropylbenzene	12.33	105	337162	49.618	ug/l	100
74) N-amyl acetate	12.14	43	99837	51.573	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.58	83	80267	50.180	ug/l	99
76) 1,2,3-Trichloropropane	12.63	75	59780m	50.390	ug/l	
77) Bromobenzene	12.60	156	70758	49.868	ug/l	99
78) n-propylbenzene	12.67	91	412394	49.753	ug/l	99
79) 2-Chlorotoluene	12.76	91	224501	48.447	ug/l	98
80) 1,3,5-Trimethylbenzene	12.81	105	280995	49.920	ug/l	100
81) trans-1,4-Dichloro-2-buten	12.38	75	30699	49.768	ug/l	97
82) 4-Chlorotoluene	12.85	91	240919	50.279	ug/l	99
83) tert-Butylbenzene	13.07	119	242013	50.254	ug/l	98
84) 1,2,4-Trimethylbenzene	13.12	105	278791	50.238	ug/l	99
85) sec-Butylbenzene	13.25	105	359465	50.522	ug/l	100
86) p-Isopropyltoluene	13.37	119	303776	50.369	ug/l	99
87) 1,3-Dichlorobenzene	13.37	146	141914	50.420	ug/l	99
88) 1,4-Dichlorobenzene	13.44	146	141533	50.041	ug/l	99
89) n-Butylbenzene	13.69	91	320920	51.725	ug/l	99
90) Hexachloroethane	13.96	117	63689	53.739	ug/l	97
91) 1,2-Dichlorobenzene	13.74	146	130671	49.413	ug/l	98
92) 1,2-Dibromo-3-Chloropropan	14.35	75	14675	51.527	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	85436	53.541	ug/l	97
94) Hexachlorobutadiene	15.11	225	38332	50.033	ug/l	99
95) Naphthalene	15.23	128	232948	51.425	ug/l	98
96) 1,2,3-Trichlorobenzene	15.42	180	76519	50.247	ug/l	99

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

