

Data Path : Z:\VOASRV\HPCHEM1\MSVOA Y\DATA\VY102819\
 Data File : VY000461.D
 Acq On : 28 Oct 2019 17:42
 Operator : SY/MD
 Sample : VSTDCCC050
 Misc : 5.00G/5ML/MSVOA Y/SOIL
 ALS Vial : 16 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 VSTDCCC050EC

Manual Integrations
 APPROVED

MMDadoda
 10/29/2019 2:06:10 PM

Quant Time: Oct 29 10:37:34 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_Y\METHODS\82Y101119S.M
 Quant Title : SW846 8260
 QLast Update : Thu Oct 17 02:03:07 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.80	168	184844	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.70	114	313192	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.49	117	293208	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.42	152	147095	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.16	65	107383	55.07	ug/l	0.00
Spiked Amount	50.000		Recovery	=	110.14%	
35) Dibromofluoromethane	7.73	113	99497	52.67	ug/l	0.00
Spiked Amount	50.000		Recovery	=	105.34%	
50) Toluene-d8	10.18	98	379247	52.19	ug/l	0.00
Spiked Amount	50.000		Recovery	=	104.38%	
62) 4-Bromofluorobenzene	12.48	95	141388	51.21	ug/l	0.00
Spiked Amount	50.000		Recovery	=	102.42%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.90	85	53890	35.660	ug/l	94
3) Chloromethane	2.12	50	97082	42.981	ug/l	96
4) Vinyl Chloride	2.25	62	90418	39.665	ug/l	96
5) Bromomethane	2.65	94	62564	37.033	ug/l	92
6) Chloroethane	2.79	64	64618	43.933	ug/l	96
7) Trichlorofluoromethane	3.13	101	144078	46.206	ug/l	99
8) Diethyl Ether	3.53	74	58185	52.820	ug/l	100
9) 1,1,2-Trichlorotrifluoroet	3.90	101	89982	47.583	ug/l	100
10) Methyl Iodide	4.10	142	94394	35.399	ug/l	99
11) Tert butyl alcohol	4.96	59	48837	239.339	ug/l	98
12) 1,1-Dichloroethene	3.88	96	84860	45.456	ug/l	91
13) Acrolein	3.74	56	43862	183.349	ug/l	97
14) Allyl chloride	4.49	41	148527	48.009	ug/l	99
15) Acrylonitrile	5.18	53	160564	260.418	ug/l	99
16) Acetone	3.96	43	148010	234.403	ug/l	98
17) Carbon Disulfide	4.19	76	226113	38.468	ug/l	98
18) Methyl Acetate	4.49	43	80791	51.496	ug/l	96
19) Methyl tert-butyl Ether	5.24	73	284163	54.679	ug/l	98
20) Methylene Chloride	4.72	84	115220	54.664	ug/l	98
21) trans-1,2-Dichloroethene	5.22	96	102237	47.733	ug/l	98
22) Diisopropyl ether	6.13	45	355055	54.262	ug/l	93
23) Vinyl Acetate	6.07	43	1130260	264.773	ug/l	100
24) 1,1-Dichloroethane	6.04	63	183371	51.341	ug/l	99
25) 2-Butanone	7.00	43	223396	251.151	ug/l	100
26) 2,2-Dichloropropane	6.99	77	155659	47.297	ug/l	99
27) cis-1,2-Dichloroethene	7.00	96	121927	52.608	ug/l	95
28) Bromochloromethane	7.35	49	83989	54.779	ug/l	99
29) Tetrahydrofuran	7.36	42	140572	260.770	ug/l	99
30) Chloroform	7.52	83	192288	53.460	ug/l	98
31) Cyclohexane	7.80	56	160391	42.996	ug/l	97
32) 1,1,1-Trichloroethane	7.71	97	164312	51.384	ug/l	99
36) 1,1-Dichloropropene	7.93	75	140654	45.870	ug/l	99
37) Ethyl Acetate	7.09	43	88395	48.685	ug/l	98
38) Carbon Tetrachloride	7.91	117	144995	48.837	ug/l	96

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.19	83	176139	43.889	ug/l	97
40) Benzene	8.17	78	426529	48.133	ug/l	96
41) Methacrylonitrile	7.34	41	55211m	63.883	ug/l	
42) 1,2-Dichloroethane	8.25	62	131021	51.761	ug/l	98
43) Isopropyl Acetate	8.28	43	176696	51.182	ug/l	99
44) Trichloroethene	8.95	130	116235	46.749	ug/l	98
45) 1,2-Dichloropropane	9.22	63	112608	51.783	ug/l	94
46) Dibromomethane	9.32	93	63858	52.530	ug/l	95
47) Bromodichloromethane	9.50	83	154309	53.861	ug/l	93
48) Methyl methacrylate	9.30	41	79361	52.454	ug/l	99
49) 1,4-Dioxane	9.30	88	18695	1025.665	ug/l	97
51) 4-Methyl-2-Pentanone	10.08	43	479782	269.449	ug/l	99
52) Toluene	10.25	92	279248	49.635	ug/l	99
53) t-1,3-Dichloropropene	10.47	75	167313	54.493	ug/l	97
54) cis-1,3-Dichloropropene	9.94	75	183432	52.607	ug/l	97
55) 1,1,2-Trichloroethane	10.65	97	93684	53.003	ug/l	98
56) Ethyl methacrylate	10.51	69	134933	53.559	ug/l	97
57) 1,3-Dichloropropane	10.80	76	166827	54.959	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.79	63	323755	322.180	ug/l	99
59) 2-Hexanone	10.83	43	345058	276.084	ug/l	99
60) Dibromochloromethane	10.99	129	107454	54.849	ug/l	98
61) 1,2-Dibromoethane	11.09	107	88899	52.383	ug/l	100
64) Tetrachloroethene	10.72	164	117575	42.121	ug/l	99
65) Chlorobenzene	11.52	112	305633	49.391	ug/l	96
66) 1,1,1,2-Tetrachloroethane	11.59	131	111860	51.460	ug/l	99
67) Ethyl Benzene	11.60	91	550548	47.994	ug/l	100
68) m/p-Xylenes	11.70	106	420371	95.861	ug/l	99
69) o-Xylene	12.03	106	206430	49.345	ug/l	97
70) Styrene	12.05	104	355197	50.345	ug/l	98
71) Bromoform	12.21	173	67587	54.087	ug/l #	97
73) Isopropylbenzene	12.33	105	534924	46.639	ug/l	100
74) N-amyl acetate	12.14	43	162394	57.674	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.58	83	114813	53.315	ug/l	98
76) 1,2,3-Trichloropropane	12.63	75	102322m	56.570	ug/l	
77) Bromobenzene	12.61	156	125777	49.281	ug/l	96
78) n-propylbenzene	12.67	91	649247	47.146	ug/l	100
79) 2-Chlorotoluene	12.75	91	363386	47.782	ug/l	98
80) 1,3,5-Trimethylbenzene	12.81	105	455905	47.404	ug/l	99
81) trans-1,4-Dichloro-2-buten	12.38	75	38282	46.308	ug/l	97
82) 4-Chlorotoluene	12.85	91	389800	48.488	ug/l	100
83) tert-Butylbenzene	13.08	119	397681	48.828	ug/l	99
84) 1,2,4-Trimethylbenzene	13.12	105	467380	49.239	ug/l	99
85) sec-Butylbenzene	13.25	105	557911	47.353	ug/l	99
86) p-Isopropyltoluene	13.37	119	500671	48.743	ug/l	99
87) 1,3-Dichlorobenzene	13.36	146	246141	48.948	ug/l	99
88) 1,4-Dichlorobenzene	13.45	146	248637	49.468	ug/l	98
89) n-Butylbenzene	13.70	91	486358	47.914	ug/l	99
90) Hexachloroethane	13.96	117	95872	50.405	ug/l	98
91) 1,2-Dichlorobenzene	13.74	146	234443	51.517	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.36	75	20816	50.967	ug/l	92

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.00	180	154243	48.681	ug/l	99
94) Hexachlorobutadiene	15.11	225	80346	46.858	ug/l	99
95) Naphthalene	15.23	128	348631	49.306	ug/l	99
96) 1,2,3-Trichlorobenzene	15.42	180	141987	49.723	ug/l	98

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

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