

Data Path : Z:\VOASRV\HPCHEM1\MSVOA Y\DATA\VY091719\
 Data File : VY000052.D
 Acq On : 17 Sep 2019 10:57
 Operator : SY/MD
 Sample : VSTDIC010
 Misc : 5.00g/5.00ml/MSVOA Y/SOIL
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 VSTDIC010

Manual Integrations
 APPROVED

MMDadoda
 9/19/2019 1:29:31 AM

Quant Time: Sep 17 12:16:43 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_Y\METHODS\82Y091719S.M
 Quant Title : SW846 8260
 QLast Update : Tue Sep 17 12:06:19 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.79	168	118390	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.69	114	225757	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.49	117	194205	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.42	152	84345	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	8.15	65	15196	11.97	ug/l	0.00
Spiked Amount			Recovery	=	23.94%	
35) Dibromofluoromethane	7.72	113	16048	12.35	ug/l	0.00
Spiked Amount			Recovery	=	24.70%	
50) Toluene-d8	10.18	98	57567	11.08	ug/l	0.00
Spiked Amount			Recovery	=	22.16%	
62) 4-Bromofluorobenzene	12.48	95	24276	12.88	ug/l	0.00
Spiked Amount			Recovery	=	25.76%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	1.89	85	10139	11.508	ug/l	96
3) Chloromethane	2.11	50	16442	11.590	ug/l	90
4) Vinyl Chloride	2.25	62	13393	10.147	ug/l	100
5) Bromomethane	2.63	94	9773	11.497	ug/l	98
6) Chloroethane	2.79	64	9474	10.739	ug/l #	82
7) Trichlorofluoromethane	3.12	101	18435	10.577	ug/l	95
8) Diethyl Ether	3.53	74	7909	10.978	ug/l	99
9) 1,1,2-Trichlorotrifluoroet	3.89	101	12394	10.418	ug/l	96
10) Methyl Iodide	4.08	142	10708	8.278	ug/l	97
11) Tert butyl alcohol	4.96	59	8320	50.847	ug/l #	73
12) 1,1-Dichloroethene	3.86	96	11995	10.867	ug/l	93
13) Acrolein	3.73	56	5874	50.769	ug/l	99
14) Allyl chloride	4.48	41	17535	10.225	ug/l	100
15) Acrylonitrile	5.16	53	23607	52.024	ug/l	99
16) Acetone	3.95	43	15744	44.863	ug/l	92
17) Carbon Disulfide	4.19	76	21650	9.742	ug/l	96
18) Methyl Acetate	4.48	43	10324	10.255	ug/l	95
19) Methyl tert-butyl Ether	5.22	73	36646	10.829	ug/l #	80
20) Methylene Chloride	4.72	84	15418	10.742	ug/l	90
21) trans-1,2-Dichloroethene	5.22	96	12314	10.023	ug/l	96
22) Diisopropyl ether	6.12	45	39211	10.308	ug/l	99
23) Vinyl Acetate	6.06	43	131880	50.331	ug/l	100
24) 1,1-Dichloroethane	6.02	63	23159	10.250	ug/l	97
25) 2-Butanone	6.99	43	27914	48.313	ug/l	94
26) 2,2-Dichloropropane	6.98	77	23234	11.143	ug/l	96
27) cis-1,2-Dichloroethene	6.98	96	16824	10.900	ug/l	99
28) Bromochloromethane	7.34	49	10617	10.439	ug/l #	93
29) Tetrahydrofuran	7.35	42	16985	49.269	ug/l	97
30) Chloroform	7.51	83	24587	10.529	ug/l	88
31) Cyclohexane	7.78	56	20164	10.838	ug/l	89
32) 1,1,1-Trichloroethane	7.70	97	19927	10.488	ug/l	95
36) 1,1-Dichloropropene	7.92	75	16829	10.060	ug/l	99
37) Ethyl Acetate	7.07	43	11743	10.370	ug/l #	94
38) Carbon Tetrachloride	7.90	117	15083	9.539	ug/l #	82

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.18	83	20947	10.096	ug/l	98
40) Benzene	8.16	78	56136	10.237	ug/l	99
41) Methacrylonitrile	7.31	41	4701	7.196	ug/l #	1
42) 1,2-Dichloroethane	8.24	62	14639	10.403	ug/l	96
43) Isopropyl Acetate	8.28	43	21654	9.847	ug/l	98
44) Trichloroethene	8.94	130	13831	10.117	ug/l	80
45) 1,2-Dichloropropane	9.22	63	14353	10.173	ug/l	91
46) Dibromomethane	9.30	93	8011	10.217	ug/l	95
47) Bromodichloromethane	9.49	83	19507	10.426	ug/l	99
48) Methyl methacrylate	9.29	41	9871	10.144	ug/l	99
49) 1,4-Dioxane	9.29	88	3061	186.279	ug/l #	92
51) 4-Methyl-2-Pentanone	10.07	43	60154	49.065	ug/l	99
52) Toluene	10.24	92	35812	10.410	ug/l	97
53) t-1,3-Dichloropropene	10.47	75	20698	10.508	ug/l	95
54) cis-1,3-Dichloropropene	9.93	75	23662	10.296	ug/l	98
55) 1,1,2-Trichloroethane	10.65	97	12093	9.678	ug/l	92
56) Ethyl methacrylate	10.51	69	16604	9.484	ug/l	97
57) 1,3-Dichloropropane	10.79	76	21535	10.810	ug/l	98
58) 2-Chloroethyl Vinyl ether	9.78	63	47576	50.849	ug/l	99
59) 2-Hexanone	10.84	43	41950	47.281	ug/l	96
60) Dibromochloromethane	10.98	129	12962	9.925	ug/l	95
61) 1,2-Dibromoethane	11.09	107	11225	10.192	ug/l	98
64) Tetrachloroethene	10.72	164	12387	10.276	ug/l	85
65) Chlorobenzene	11.51	112	39489	10.527	ug/l	98
66) 1,1,1,2-Tetrachloroethane	11.59	131	12582	9.651	ug/l	93
67) Ethyl Benzene	11.59	91	70298	10.313	ug/l	99
68) m/p-Xylenes	11.70	106	53006	20.577	ug/l	97
69) o-Xylene	12.02	106	25446	10.076	ug/l	99
70) Styrene	12.04	104	44491	10.130	ug/l	99
71) Bromoform	12.21	173	7150	9.143	ug/l #	96
73) Isopropylbenzene	12.33	105	67676	10.296	ug/l	97
74) N-amyl acetate	12.14	43	17865	9.263	ug/l	97
75) 1,1,2,2-Tetrachloroethane	12.58	83	16559	10.572	ug/l	100
76) 1,2,3-Trichloropropane	12.63	75	12351m	10.543	ug/l	
77) Bromobenzene	12.61	156	13572	9.828	ug/l	94
78) n-propylbenzene	12.67	91	83735	10.421	ug/l	98
79) 2-Chlorotoluene	12.75	91	46872	10.437	ug/l	100
80) 1,3,5-Trimethylbenzene	12.81	105	56812	10.386	ug/l	98
81) trans-1,4-Dichloro-2-buten	12.38	75	5936	9.900	ug/l	99
82) 4-Chlorotoluene	12.85	91	48184	10.246	ug/l	99
83) tert-Butylbenzene	13.07	119	48576	10.321	ug/l	99
84) 1,2,4-Trimethylbenzene	13.12	105	55384	10.230	ug/l	99
85) sec-Butylbenzene	13.25	105	73112	10.531	ug/l	98
86) p-Isopropyltoluene	13.37	119	61252	10.371	ug/l	99
87) 1,3-Dichlorobenzene	13.36	146	27942	10.017	ug/l	97
88) 1,4-Dichlorobenzene	13.44	146	28408	10.143	ug/l	97
89) n-Butylbenzene	13.69	91	62161	10.378	ug/l	99
90) Hexachloroethane	13.96	117	11367	9.655	ug/l	95
91) 1,2-Dichlorobenzene	13.74	146	27728	10.711	ug/l	93
92) 1,2-Dibromo-3-Chloropropan	14.35	75	2996	9.878	ug/l	86

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.00	180	14688	8.887	ug/l	92
94) Hexachlorobutadiene	15.11	225	7719	10.172	ug/l	97
95) Naphthalene	15.23	128	45089	10.000	ug/l	98
96) 1,2,3-Trichlorobenzene	15.42	180	15220	10.261	ug/l	98

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

