

Data Path : Z:\VOASRV\HPCHEM1\MSVOA Y\DATA\VY091119\
 Data File : VY000002.D
 Acq On : 11 Sep 2019 16:31
 Operator : SY/MD
 Sample : VSTDIC005
 Misc : 5.00g/5.00ml/MSVOA Y/SOIL
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 VSTDIC005

Manual Integrations
 APPROVED

MMDadoda
 9/13/2019 11:51:26 PM

Quant Time: Sep 12 09:02:13 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_Y\METHODS\82Y091119S.M
 Quant Title : SW846 8260
 QLast Update : Thu Sep 12 08:42:53 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.79	168	149211	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.69	114	281769	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.49	117	235133	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.42	152	100524	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	7271	4.41	ug/l	0.00
Spiked Amount			Recovery	=	8.82%	
35) Dibromofluoromethane	7.71	113	7652	4.61	ug/l	0.00
Spiked Amount			Recovery	=	9.22%	
50) Toluene-d8	10.18	98	31580	4.79	ug/l	0.00
Spiked Amount			Recovery	=	9.58%	
62) 4-Bromofluorobenzene	12.48	95	10816	4.56	ug/l	0.00
Spiked Amount			Recovery	=	9.12%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	1.90	85	7296	8.684	ug/l	97
3) Chloromethane	2.11	50	18371	17.330	ug/l	95
4) Vinyl Chloride	2.25	62	10665	8.380	ug/l	99
5) Bromomethane	2.63	94	6200	8.900	ug/l	95
6) Chloroethane	2.78	64	6819	8.827	ug/l	94
7) Trichlorofluoromethane	3.12	101	12840	12.585	ug/l	99
8) Diethyl Ether	3.53	74	4618	6.471	ug/l	89
9) 1,1,2-Trichlorotrifluoroet	3.89	101	7726	5.911	ug/l #	93
10) Methyl Iodide	4.09	142	7899	4.833	ug/l #	93
11) Tert butyl alcohol	4.96	59	4814	35.739	ug/l	99
12) 1,1-Dichloroethene	3.87	96	8428	6.793	ug/l #	75
13) Acrolein	3.73	56	4896	36.617	ug/l	90
14) Allyl chloride	4.46	41	11198	4.576	ug/l	93
15) Acrylonitrile	5.18	53	15032	35.589	ug/l #	92
16) Acetone	3.96	43	12489	28.428	ug/l	99
17) Carbon Disulfide	4.18	76	20566	7.895	ug/l	98
18) Methyl Acetate	4.49	43	9053	8.409	ug/l #	89
19) Methyl tert-butyl Ether	5.22	73	20431	7.751	ug/l #	89
20) Methylene Chloride	4.71	84	11074	7.662	ug/l #	91
21) trans-1,2-Dichloroethene	5.21	96	8311	6.536	ug/l	86
22) Diisopropyl ether	6.12	45	24525	5.027	ug/l #	95
23) Vinyl Acetate	6.06	43	82024	26.302	ug/l #	92
24) 1,1-Dichloroethane	6.02	63	14913	5.590	ug/l	96
25) 2-Butanone	7.00	43	18129	30.178	ug/l	89
26) 2,2-Dichloropropane	6.98	77	13182	7.399	ug/l	99
27) cis-1,2-Dichloroethene	6.98	96	9737	6.487	ug/l	89
28) Bromochloromethane	7.33	49	6890	5.543	ug/l #	94
29) Tetrahydrofuran	7.36	42	11614	31.467	ug/l	94
30) Chloroform	7.50	83	14997	5.604	ug/l	97
31) Cyclohexane	7.78	56	16906	7.054	ug/l #	87
32) 1,1,1-Trichloroethane	7.70	97	12003	5.535	ug/l	95
36) 1,1-Dichloropropene	7.92	75	11755	4.926	ug/l	97
37) Ethyl Acetate	7.07	43	8492m	5.528	ug/l	
38) Carbon Tetrachloride	7.89	117	11082	4.729	ug/l	97

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.18	83	14392	5.273	ug/l	90
40) Benzene	8.16	78	34125	5.024	ug/l	97
41) Methacrylonitrile	7.31	41	4496m	4.995	ug/l	
42) 1,2-Dichloroethane	8.23	62	9190	4.017	ug/l	99
43) Isopropyl Acetate	8.28	43	13504	4.649	ug/l #	91
44) Trichloroethene	8.94	130	9492	5.411	ug/l	98
45) 1,2-Dichloropropane	9.21	63	8591	4.595	ug/l	92
46) Dibromomethane	9.31	93	5295	5.885	ug/l	87
47) Bromodichloromethane	9.49	83	10992	4.531	ug/l #	89
48) Methyl methacrylate	9.30	41	5975	4.313	ug/l	92
49) 1,4-Dioxane	9.29	88	1711	93.831	ug/l #	64
51) 4-Methyl-2-Pentanone	10.07	43	36572	23.767	ug/l	96
52) Toluene	10.24	92	21653	5.098	ug/l	99
53) t-1,3-Dichloropropene	10.46	75	11609	4.627	ug/l	90
54) cis-1,3-Dichloropropene	9.93	75	13780	4.843	ug/l	94
55) 1,1,2-Trichloroethane	10.64	97	7092	5.223	ug/l	93
56) Ethyl methacrylate	10.51	69	10531	5.317	ug/l	96
57) 1,3-Dichloropropane	10.79	76	12535	5.067	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.78	63	28378	26.773	ug/l	99
59) 2-Hexanone	10.83	43	27176	24.176	ug/l	95
60) Dibromochloromethane	10.98	129	7727	4.918	ug/l	99
61) 1,2-Dibromoethane	11.09	107	6699	5.364	ug/l	93
64) Tetrachloroethene	10.71	164	7880	5.622	ug/l	92
65) Chlorobenzene	11.51	112	22916	5.225	ug/l	92
66) 1,1,1,2-Tetrachloroethane	11.59	131	7114	4.445	ug/l	93
67) Ethyl Benzene	11.59	91	42514	5.215	ug/l	100
68) m/p-Xylenes	11.70	106	32682	10.940	ug/l	99
69) o-Xylene	12.02	106	15173	5.391	ug/l	97
70) Styrene	12.04	104	26166	5.287	ug/l	96
71) Bromoform	12.20	173	4494	4.978	ug/l #	98
73) Isopropylbenzene	12.33	105	39744	5.551	ug/l	98
74) N-amyl acetate	12.14	43	10871	4.882	ug/l	95
75) 1,1,2,2-Tetrachloroethane	12.58	83	9647	6.494	ug/l	94
76) 1,2,3-Trichloropropane	12.63	75	5494m	5.175	ug/l	
77) Bromobenzene	12.60	156	8622	5.348	ug/l	96
78) n-propylbenzene	12.66	91	48097	5.583	ug/l	98
79) 2-Chlorotoluene	12.75	91	25479	5.182	ug/l	96
80) 1,3,5-Trimethylbenzene	12.80	105	32311	5.365	ug/l	98
81) trans-1,4-Dichloro-2-buten	12.38	75	3841	7.507	ug/l	99
82) 4-Chlorotoluene	12.85	91	26842	5.161	ug/l	99
83) tert-Butylbenzene	13.07	119	26568	5.016	ug/l	94
84) 1,2,4-Trimethylbenzene	13.12	105	31589	5.187	ug/l	99
85) sec-Butylbenzene	13.25	105	42097	5.665	ug/l	98
86) p-Isopropyltoluene	13.36	119	34150	5.098	ug/l	97
87) 1,3-Dichlorobenzene	13.36	146	15910	4.993	ug/l	94
88) 1,4-Dichlorobenzene	13.44	146	16121	5.094	ug/l	92
89) n-Butylbenzene	13.69	91	34024	5.182	ug/l	98
90) Hexachloroethane	13.95	117	7418	6.198	ug/l	96
91) 1,2-Dichlorobenzene	13.73	146	15507	5.391	ug/l	95
92) 1,2-Dibromo-3-Chloropropan	14.35	75	2007	7.329	ug/l	93

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.01	180	9600	4.946	ug/l	94
94) Hexachlorobutadiene	15.10	225	4484	3.481	ug/l	95
95) Naphthalene	15.23	128	25306	6.538	ug/l	96
96) 1,2,3-Trichlorobenzene	15.41	180	7779	4.504	ug/l	83

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

