

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_Y\DATA\VY103019\
 Data File : VY000483.D
 Acq On : 30 Oct 2019 10:39
 Operator : SY/MD
 Sample : VSTDIC005
 Misc : 5.00G/5ML/MSVOA_Y/SOIL
 ALS Vial : 3 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 VSTDIC005

Manual Integrations
 APPROVED

MMDadoda
 10/31/2019 11:30:37 AM

Quant Time: Oct 30 13:20:15 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_Y\METHODS\82Y103019S.M
 Quant Title : SW846 8260
 QLast Update : Wed Oct 30 13:10:11 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.80	168	233200	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.70	114	385175	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.49	117	347618	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.42	152	165272	50.00	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.16	65	10688	4.43	ug/l	0.00
Spiked Amount	50.000		Recovery	=	8.86%	
35) Dibromofluoromethane	7.73	113	10085	4.46	ug/l	0.00
Spiked Amount	50.000		Recovery	=	8.92%	
50) Toluene-d8	10.18	98	37287	4.35	ug/l	0.00
Spiked Amount	50.000		Recovery	=	8.70%	
62) 4-Bromofluorobenzene	12.48	95	14278	4.37	ug/l	0.00
Spiked Amount	50.000		Recovery	=	8.74%	

Target Compounds					Qvalue
2) Dichlorodifluoromethane	1.90	85	10285	4.480 ug/l	94
3) Chloromethane	2.11	50	15049	4.759 ug/l	93
4) Vinyl Chloride	2.26	62	13369	4.553 ug/l	94
5) Bromomethane	2.65	94	9135	5.187 ug/l	97
6) Chloroethane	2.79	64	8905	4.845 ug/l #	83
7) Trichlorofluoromethane	3.13	101	19190	4.839 ug/l	97
8) Diethyl Ether	3.54	74	7225	5.127 ug/l	100
9) 1,1,2-Trichlorotrifluoroet	3.91	101	11969	4.992 ug/l	97
10) Methyl Iodide	4.09	142	11082	3.919 ug/l	99
11) Tert butyl alcohol	4.97	59	7013	29.853 ug/l #	81
12) 1,1-Dichloroethene	3.88	96	10543	4.526 ug/l	92
13) Acrolein	3.74	56	5906	28.862 ug/l	98
14) Allyl chloride	4.49	41	16127	4.258 ug/l	90
15) Acrylonitrile	5.18	53	17068	23.644 ug/l	90
16) Acetone	3.96	43	16966	25.507 ug/l	99
17) Carbon Disulfide	4.19	76	32323	4.399 ug/l	98
18) Methyl Acetate	4.48	43	12447	6.018 ug/l	94
19) Methyl tert-butyl Ether	5.24	73	31562	4.873 ug/l #	86
20) Methylene Chloride	4.72	84	16879	5.922 ug/l	95
21) trans-1,2-Dichloroethene	5.22	96	12420	4.716 ug/l	92
22) Diisopropyl ether	6.13	45	36762	4.465 ug/l #	86
23) Vinyl Acetate	6.07	43	110077	21.181 ug/l	99
24) 1,1-Dichloroethane	6.02	63	21907	4.912 ug/l	96
25) 2-Butanone	7.00	43	27087	25.517 ug/l	98
26) 2,2-Dichloropropane	6.99	77	21739	5.334 ug/l	92
27) cis-1,2-Dichloroethene	7.00	96	13801	4.793 ug/l	99
28) Bromochloromethane	7.34	49	10835	6.015 ug/l	94
29) Tetrahydrofuran	7.36	42	15564	23.967 ug/l	97
30) Chloroform	7.52	83	22368	4.958 ug/l	89
31) Cyclohexane	7.79	56	25436	5.445 ug/l #	88
32) 1,1,1-Trichloroethane	7.72	97	19685	4.895 ug/l	96
36) 1,1-Dichloropropene	7.92	75	18149	4.984 ug/l	98
37) Ethyl Acetate	7.08	43	10366	4.795 ug/l #	94
38) Carbon Tetrachloride	7.91	117	16442	4.693 ug/l #	90

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.19	83	22136	4.706	ug/l	96
40) Benzene	8.17	78	51125	4.789	ug/l	96
41) Methacrylonitrile	7.33	41	5200m	4.313	ug/l	
42) 1,2-Dichloroethane	8.25	62	14383	4.750	ug/l	98
43) Isopropyl Acetate	8.28	43	20152	4.962	ug/l #	81
44) Trichloroethene	8.95	130	14083	5.003	ug/l	84
45) 1,2-Dichloropropane	9.22	63	13268	5.050	ug/l	96
46) Dibromomethane	9.31	93	6914	4.785	ug/l	99
47) Bromodichloromethane	9.50	83	15738	4.590	ug/l	94
48) Methyl methacrylate	9.30	41	7832	4.414	ug/l	98
49) 1,4-Dioxane	9.31	88	1808	92.970	ug/l #	79
51) 4-Methyl-2-Pentanone	10.07	43	49881	23.102	ug/l	97
52) Toluene	10.25	92	30427	4.508	ug/l	93
53) t-1,3-Dichloropropene	10.47	75	16280	4.444	ug/l	100
54) cis-1,3-Dichloropropene	9.93	75	18620	4.437	ug/l #	84
55) 1,1,2-Trichloroethane	10.64	97	10569	5.057	ug/l	91
56) Ethyl methacrylate	10.51	69	12446	4.202	ug/l #	88
57) 1,3-Dichloropropane	10.79	76	17227	4.710	ug/l	92
58) 2-Chloroethyl Vinyl ether	9.79	63	34734	25.937	ug/l	94
59) 2-Hexanone	10.83	43	36075	22.932	ug/l	96
60) Dibromochloromethane	10.99	129	10624	4.438	ug/l	98
61) 1,2-Dibromoethane	11.09	107	9428	4.692	ug/l	93
64) Tetrachloroethene	10.72	164	13941	4.850	ug/l	94
65) Chlorobenzene	11.52	112	33079	4.693	ug/l	94
66) 1,1,1,2-Tetrachloroethane	11.60	131	10869	4.447	ug/l	93
67) Ethyl Benzene	11.59	91	58403	4.503	ug/l	97
68) m/p-Xylenes	11.70	106	47049	9.372	ug/l	97
69) o-Xylene	12.03	106	21753	4.610	ug/l	96
70) Styrene	12.04	104	35529	4.397	ug/l	99
71) Bromoform	12.20	173	6071	4.318	ug/l #	95
73) Isopropylbenzene	12.33	105	58172	4.762	ug/l	100
74) N-amyl acetate	12.14	43	14806	4.232	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.58	83	11556	4.778	ug/l	97
76) 1,2,3-Trichloropropane	12.63	75	8453m	2.766	ug/l	
77) Bromobenzene	12.61	156	13809	4.985	ug/l	96
78) n-propylbenzene	12.67	91	67992	4.613	ug/l	98
79) 2-Chlorotoluene	12.75	91	39320	4.806	ug/l	98
80) 1,3,5-Trimethylbenzene	12.81	105	46492	4.570	ug/l	97
81) trans-1,4-Dichloro-2-buten	12.38	75	3465	4.128	ug/l	87
82) 4-Chlorotoluene	12.85	91	39185	4.620	ug/l	96
83) tert-Butylbenzene	13.07	119	39998	4.605	ug/l	97
84) 1,2,4-Trimethylbenzene	13.12	105	47726	4.712	ug/l	99
85) sec-Butylbenzene	13.25	105	57520	4.648	ug/l	99
86) p-Isopropyltoluene	13.36	119	51682	4.686	ug/l	99
87) 1,3-Dichlorobenzene	13.36	146	27370	5.045	ug/l	97
88) 1,4-Dichlorobenzene	13.44	146	26754	4.935	ug/l	93
89) n-Butylbenzene	13.69	91	50729	4.663	ug/l	98
90) Hexachloroethane	13.95	117	9287	4.555	ug/l	98
91) 1,2-Dichlorobenzene	13.73	146	23595	4.793	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.35	75	2117	4.946	ug/l	96

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.00	180	16682	4.977	ug/l	99
94) Hexachlorobutadiene	15.11	225	8314	4.812	ug/l	96
95) Naphthalene	15.23	128	36170	4.861	ug/l	99
96) 1,2,3-Trichlorobenzene	15.42	180	15077	5.014	ug/l	96

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

