

Data Path : Z:\VOASRV\HPCHEM1\MSVOA Y\DATA\VY012120\
 Data File : VY001320.D
 Acq On : 21 Jan 2020 14:42
 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
 1/22/2020 10:49:14 AM

Quant Time: Jan 21 16:32:17 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_Y\METHODS\82Y012120S.M
 Quant Title : SW846 8260
 QLast Update : Tue Jan 21 16:22:02 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.82	168	191397	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.71	114	335620	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.50	117	291334	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.44	152	136765	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	8.17	65	10063	4.95	ug/l	0.00
Spiked Amount	50.000		Recovery	=	9.90%	
35) Dibromofluoromethane	7.75	113	9471	4.81	ug/l	0.00
Spiked Amount	50.000		Recovery	=	9.62%	
50) Toluene-d8	10.20	98	39531	5.22	ug/l	0.01
Spiked Amount	50.000		Recovery	=	10.44%	
62) 4-Bromofluorobenzene	12.49	95	14412	4.67	ug/l	0.00
Spiked Amount	50.000		Recovery	=	9.34%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	1.92	85	6671	4.498	ug/l	93
3) Chloromethane	2.13	50	11833	5.494	ug/l	93
4) Vinyl Chloride	2.27	62	11576	5.325	ug/l	94
5) Bromomethane	2.68	94	9101	7.560	ug/l	92
6) Chloroethane	2.82	64	7558	5.905	ug/l	95
7) Trichlorofluoromethane	3.15	101	15204	5.069	ug/l	98
8) Diethyl Ether	3.56	74	6217	5.297	ug/l	91
9) 1,1,2-Trichlorotrifluoroet	3.93	101	9762	5.072	ug/l	96
10) Methyl Iodide	4.12	142	10917	4.141	ug/l	98
11) Tert butyl alcohol	4.97	59	10952	50.938	ug/l #	74
12) 1,1-Dichloroethene	3.90	96	10614	5.381	ug/l	98
13) Acrolein	3.77	56	4919	27.705	ug/l	96
14) Allyl chloride	4.51	41	17987	5.354	ug/l	98
15) Acrylonitrile	5.20	53	15604	26.328	ug/l	99
16) Acetone	3.97	43	18730	38.140	ug/l	90
17) Carbon Disulfide	4.22	76	31358	4.950	ug/l	99
18) Methyl Acetate	4.51	43	9794	6.177	ug/l	96
19) Methyl tert-butyl Ether	5.25	73	28322	5.148	ug/l	99
20) Methylene Chloride	4.75	84	25151	9.407	ug/l	95
21) trans-1,2-Dichloroethene	5.25	96	11922	5.322	ug/l	96
22) Diisopropyl ether	6.16	45	36228	5.259	ug/l	93
23) Vinyl Acetate	6.10	43	109189	24.693	ug/l	100
24) 1,1-Dichloroethane	6.05	63	19881	5.294	ug/l	98
25) 2-Butanone	7.02	43	22820	30.048	ug/l	95
26) 2,2-Dichloropropane	7.02	77	19665	5.731	ug/l	95
27) cis-1,2-Dichloroethene	7.02	96	13090	5.316	ug/l	95
28) Bromochloromethane	7.36	49	7372	4.816	ug/l	97
29) Tetrahydrofuran	7.38	42	13634	26.453	ug/l	98
30) Chloroform	7.54	83	19787	5.401	ug/l	100
31) Cyclohexane	7.82	56	22585	5.749	ug/l #	85
32) 1,1,1-Trichloroethane	7.73	97	16635	5.141	ug/l	97
36) 1,1-Dichloropropene	7.95	75	16164	5.263	ug/l	99
37) Ethyl Acetate	7.11	43	8778	4.812	ug/l #	79
38) Carbon Tetrachloride	7.93	117	14442	5.146	ug/l	93

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.21	83	20344	4.920	ug/l	97
40) Benzene	8.19	78	47594	5.278	ug/l	99
41) Methacrylonitrile	7.34	41	4829m	5.615	ug/l	
42) 1,2-Dichloroethane	8.26	62	13104	5.193	ug/l	99
43) Isopropyl Acetate	8.30	43	17241	4.926	ug/l	99
44) Trichloroethene	8.96	130	12712	5.451	ug/l	99
45) 1,2-Dichloropropane	9.24	63	11871	5.294	ug/l #	88
46) Dibromomethane	9.32	93	6460	5.314	ug/l	100
47) Bromodichloromethane	9.52	83	15138	5.122	ug/l	87
48) Methyl methacrylate	9.32	41	7691	4.781	ug/l	97
49) 1,4-Dioxane	9.32	88	1623	108.103	ug/l	89
51) 4-Methyl-2-Pentanone	10.09	43	45139	25.404	ug/l	99
52) Toluene	10.26	92	30143	5.256	ug/l	99
53) t-1,3-Dichloropropene	10.48	75	16063	4.853	ug/l	96
54) cis-1,3-Dichloropropene	9.95	75	18864	5.049	ug/l	95
55) 1,1,2-Trichloroethane	10.66	97	9054	5.007	ug/l	96
56) Ethyl methacrylate	10.53	69	13304	4.823	ug/l	97
57) 1,3-Dichloropropane	10.81	76	15971	5.147	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.80	63	29181	30.436	ug/l	99
59) 2-Hexanone	10.85	43	30655	24.604	ug/l	98
60) Dibromochloromethane	11.00	129	10076	4.882	ug/l	96
61) 1,2-Dibromoethane	11.11	107	8472	4.823	ug/l	95
64) Tetrachloroethene	10.74	164	10140	5.445	ug/l	85
65) Chlorobenzene	11.53	112	31283	5.344	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.60	131	10290	5.105	ug/l	99
67) Ethyl Benzene	11.61	91	58034	5.414	ug/l	99
68) m/p-Xylenes	11.72	106	42933	10.649	ug/l	100
69) o-Xylene	12.04	106	20786	5.362	ug/l	97
70) Styrene	12.06	104	35357	5.204	ug/l	98
71) Bromoform	12.22	173	6027	4.884	ug/l #	97
73) Isopropylbenzene	12.35	105	53902	5.210	ug/l	99
74) N-amyl acetate	12.16	43	16323	5.010	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.60	83	11136	5.075	ug/l	96
76) 1,2,3-Trichloropropane	12.64	75	8245m	5.452	ug/l	
77) Bromobenzene	12.62	156	12222	5.344	ug/l	94
78) n-propylbenzene	12.68	91	64465	5.176	ug/l	98
79) 2-Chlorotoluene	12.77	91	37677	5.278	ug/l	98
80) 1,3,5-Trimethylbenzene	12.82	105	45356	5.263	ug/l	99
81) trans-1,4-Dichloro-2-buten	12.39	75	3946	4.563	ug/l	99
82) 4-Chlorotoluene	12.87	91	39802	5.226	ug/l	98
83) tert-Butylbenzene	13.08	119	38758	5.333	ug/l	100
84) 1,2,4-Trimethylbenzene	13.13	105	46459	5.421	ug/l	97
85) sec-Butylbenzene	13.27	105	54277	5.195	ug/l	98
86) p-Isopropyltoluene	13.38	119	47929	5.290	ug/l	98
87) 1,3-Dichlorobenzene	13.38	146	24081	5.545	ug/l	98
88) 1,4-Dichlorobenzene	13.46	146	24091	5.409	ug/l	95
89) n-Butylbenzene	13.70	91	48361	5.307	ug/l	98
90) Hexachloroethane	13.97	117	8614	4.876	ug/l	96
91) 1,2-Dichlorobenzene	13.75	146	21254	5.273	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.37	75	2030	5.199	ug/l	88

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.02	180	15568	5.879	ug/l	97
94) Hexachlorobutadiene	15.13	225	7674	5.780	ug/l	95
95) Naphthalene	15.25	128	33628	5.458	ug/l	100
96) 1,2,3-Trichlorobenzene	15.43	180	13361	5.710	ug/l	99

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

