

Data Path : Z:\VOASRV\HPCHEM1\MSVOA Y\DATA\VY012120\
 Data File : VY001325.D
 Acq On : 21 Jan 2020 16:29
 Operator : SY/MD
 Sample : VSTDICC150
 Misc : 5.00G/5ML/MSVOA Y/SOIL
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 VSTDICC150

Manual Integrations
 APPROVED

MMDadoda
 1/22/2020 10:49:55 AM

Quant Time: Jan 21 16:47:33 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_Y\METHODS\82Y012120S.M
 Quant Title : SW846 8260
 QLast Update : Tue Jan 21 16:42:02 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.83	168	179971	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.72	114	327360	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.50	117	291767	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.44	152	134599	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.17	65	323227	168.43	ug/l	0.00
Spiked Amount	50.000		Recovery	=	336.86%	
35) Dibromofluoromethane	7.75	113	295209	154.40	ug/l	0.00
Spiked Amount	50.000		Recovery	=	308.80%	
50) Toluene-d8	10.20	98	1207188	164.29	ug/l	0.01
Spiked Amount	50.000		Recovery	=	328.58%	
62) 4-Bromofluorobenzene	12.49	95	454680	153.56	ug/l	0.00
Spiked Amount	50.000		Recovery	=	307.12%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.92	85	215336	152.074	ug/l	100
3) Chloromethane	2.13	50	319729	148.867	ug/l	99
4) Vinyl Chloride	2.27	62	343387	154.253	ug/l	97
5) Bromomethane	2.65	94	205149	133.728	ug/l	98
6) Chloroethane	2.81	64	219948	154.699	ug/l	98
7) Trichlorofluoromethane	3.15	101	429046	149.912	ug/l	100
8) Diethyl Ether	3.56	74	189118	157.927	ug/l	98
9) 1,1,2-Trichlorotrifluoroet	3.93	101	278720	153.539	ug/l	100
10) Methyl Iodide	4.13	142	393447	166.730	ug/l	99
11) Tert butyl alcohol	5.00	59	180329	581.180	ug/l	99
12) 1,1-Dichloroethene	3.91	96	292339	153.603	ug/l	93
13) Acrolein	3.77	56	107138	640.099	ug/l	100
14) Allyl chloride	4.52	41	552838	164.926	ug/l	99
15) Acrylonitrile	5.21	53	506681	834.826	ug/l	100
16) Acetone	3.99	43	386736	673.464	ug/l	99
17) Carbon Disulfide	4.23	76	930157	155.769	ug/l	100
18) Methyl Acetate	4.52	43	261033	159.778	ug/l	99
19) Methyl tert-butyl Ether	5.27	73	910433	165.533	ug/l	99
20) Methylene Chloride	4.76	84	354240	112.502	ug/l	98
21) trans-1,2-Dichloroethene	5.27	96	347820	158.116	ug/l	98
22) Diisopropyl ether	6.16	45	1232372	175.051	ug/l	98
23) Vinyl Acetate	6.11	43	4027612	882.629	ug/l	99
24) 1,1-Dichloroethane	6.07	63	617510	164.514	ug/l	97
25) 2-Butanone	7.03	43	675954	802.226	ug/l	100
26) 2,2-Dichloropropane	7.03	77	517527	152.805	ug/l	100
27) cis-1,2-Dichloroethene	7.03	96	394929	161.184	ug/l	99
28) Bromochloromethane	7.38	49	282873	187.291	ug/l	98
29) Tetrahydrofuran	7.39	42	462245	852.554	ug/l	98
30) Chloroform	7.55	83	599396	162.571	ug/l	99
31) Cyclohexane	7.82	56	564194	148.786	ug/l	97
32) 1,1,1-Trichloroethane	7.74	97	500654	160.446	ug/l	99
36) 1,1-Dichloropropene	7.96	75	466367	150.954	ug/l	99
37) Ethyl Acetate	7.12	43	302737	162.427	ug/l	100
38) Carbon Tetrachloride	7.94	117	420383	153.030	ug/l	99

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.21	83	596076	150.541	ug/l	99
40) Benzene	8.19	78	1425904	154.540	ug/l	100
41) Methacrylonitrile	7.36	41	140477m	142.935	ug/l	
42) 1,2-Dichloroethane	8.27	62	402572	156.485	ug/l	100
43) Isopropyl Acetate	8.30	43	589012	162.543	ug/l	100
44) Trichloroethene	8.97	130	357461	150.259	ug/l	99
45) 1,2-Dichloropropane	9.24	63	366432	157.638	ug/l	98
46) Dibromomethane	9.33	93	194506	155.496	ug/l	97
47) Bromodichloromethane	9.52	83	476854	160.319	ug/l	97
48) Methyl methacrylate	9.32	41	271668	165.432	ug/l	97
49) 1,4-Dioxane	9.33	88	57116	3265.767	ug/l	95
51) 4-Methyl-2-Pentanone	10.09	43	1520530	815.234	ug/l	99
52) Toluene	10.26	92	914678	156.771	ug/l	100
53) t-1,3-Dichloropropene	10.48	75	541077	164.956	ug/l	100
54) cis-1,3-Dichloropropene	9.95	75	605547	159.963	ug/l	99
55) 1,1,2-Trichloroethane	10.66	97	291925	158.670	ug/l	98
56) Ethyl methacrylate	10.53	69	459015	166.489	ug/l	98
57) 1,3-Dichloropropane	10.81	76	508148	158.526	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.80	63	723033	743.097	ug/l	99
59) 2-Hexanone	10.85	43	1055429	812.311	ug/l	100
60) Dibromochloromethane	11.00	129	328679	159.953	ug/l	99
61) 1,2-Dibromoethane	11.10	107	277906	160.019	ug/l	100
64) Tetrachloroethene	10.74	164	268594	142.997	ug/l	98
65) Chlorobenzene	11.53	112	936275	152.694	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.60	131	319913	152.922	ug/l	100
67) Ethyl Benzene	11.60	91	1708645	150.909	ug/l	98
68) m/p-Xylenes	11.72	106	1274551	301.315	ug/l	99
69) o-Xylene	12.04	106	618181	152.171	ug/l	98
70) Styrene	12.05	104	1116169	157.527	ug/l	99
71) Bromoform	12.22	173	196680	158.461	ug/l #	100
73) Isopropylbenzene	12.34	105	1664241	158.105	ug/l	99
74) N-amyl acetate	12.15	43	574592	168.710	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.59	83	363694	162.029	ug/l	98
76) 1,2,3-Trichloropropane	12.64	75	240445m	147.901	ug/l	
77) Bromobenzene	12.62	156	355597	151.394	ug/l	94
78) n-propylbenzene	12.68	91	1987687	156.629	ug/l	99
79) 2-Chlorotoluene	12.77	91	1142462	157.787	ug/l	99
80) 1,3,5-Trimethylbenzene	12.82	105	1363525	154.583	ug/l	100
81) trans-1,4-Dichloro-2-buten	12.39	75	146058	175.182	ug/l	95
82) 4-Chlorotoluene	12.86	91	1232584	159.706	ug/l	98
83) tert-Butylbenzene	13.08	119	1127275	151.016	ug/l	98
84) 1,2,4-Trimethylbenzene	13.13	105	1354891	152.674	ug/l	100
85) sec-Butylbenzene	13.26	105	1610156	151.984	ug/l	100
86) p-Isopropyltoluene	13.38	119	1397110	149.182	ug/l	99
87) 1,3-Dichlorobenzene	13.38	146	671292	147.808	ug/l	99
88) 1,4-Dichlorobenzene	13.45	146	686814	149.165	ug/l	100
89) n-Butylbenzene	13.70	91	1436964	153.128	ug/l	99
90) Hexachloroethane	13.97	117	276246	156.962	ug/l	98
91) 1,2-Dichlorobenzene	13.75	146	637849	153.201	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.36	75	60118	153.813	ug/l	98

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.02	180	410247	145.572	ug/l	99
94) Hexachlorobutadiene	15.12	225	190890	137.922	ug/l	99
95) Naphthalene	15.24	128	980347	153.475	ug/l	100
96) 1,2,3-Trichlorobenzene	15.43	180	362264	146.728	ug/l	99

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

