

Data Path : Z:\VOASRV\HPCHEM1\MSVOA Y\DATA\VY030520\
 Data File : VY001868.D
 Acq On : 05 Mar 2020 09:45
 Operator : SY/MD
 Sample : VSTDCCC050
 Misc : 5.00G/5ML/MSVOA Y/SOIL
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 VSTDCCC050

Manual Integrations
 APPROVED

MMDadoda
 3/6/2020 11:16:43 AM

Quant Time: Mar 06 04:46:42 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_Y\METHODS\82Y030420S.M
 Quant Title : SW846 8260
 QLast Update : Thu Mar 05 04:05:33 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.82	168	172124	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.71	114	311894	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.50	117	277207	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.44	152	128342	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.17	65	94298	51.32	ug/l	0.00
Spiked Amount	50.000		Recovery	=	102.64%	
35) Dibromofluoromethane	7.74	113	88916	52.21	ug/l	0.00
Spiked Amount	50.000		Recovery	=	104.42%	
50) Toluene-d8	10.19	98	376012	52.36	ug/l	0.00
Spiked Amount	50.000		Recovery	=	104.72%	
62) 4-Bromofluorobenzene	12.49	95	129422	51.83	ug/l	0.00
Spiked Amount	50.000		Recovery	=	103.66%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.91	85	77532	48.798	ug/l	98
3) Chloromethane	2.13	50	108155	50.490	ug/l	97
4) Vinyl Chloride	2.27	62	110640	50.778	ug/l	99
5) Bromomethane	2.67	94	72142	57.575	ug/l	97
6) Chloroethane	2.82	64	70590	51.574	ug/l	95
7) Trichlorofluoromethane	3.15	101	149930	50.738	ug/l	99
8) Diethyl Ether	3.55	74	60139	51.637	ug/l	98
9) 1,1,2-Trichlorotrifluoroet	3.93	101	96338	50.688	ug/l	100
10) Methyl Iodide	4.12	142	115859	52.712	ug/l	99
11) Tert butyl alcohol	4.99	59	44618	231.674	ug/l	97
12) 1,1-Dichloroethene	3.90	96	99699	52.097	ug/l	99
13) Acrolein	3.75	56	60364	233.772	ug/l	97
14) Allyl chloride	4.51	41	177146	52.215	ug/l	99
15) Acrylonitrile	5.20	53	159847	256.845	ug/l	100
16) Acetone	3.98	43	150364	280.948	ug/l	98
17) Carbon Disulfide	4.22	76	329245	51.179	ug/l	100
18) Methyl Acetate	4.51	43	68189	49.586	ug/l	100
19) Methyl tert-butyl Ether	5.25	73	265234	51.144	ug/l	96
20) Methylene Chloride	4.75	84	109977	47.946	ug/l	98
21) trans-1,2-Dichloroethene	5.25	96	110838	51.028	ug/l	96
22) Diisopropyl ether	6.15	45	357524	51.410	ug/l	99
23) Vinyl Acetate	6.10	43	1195398	262.205	ug/l	98
24) 1,1-Dichloroethane	6.05	63	191593	50.875	ug/l	98
25) 2-Butanone	7.02	43	217160	266.816	ug/l	100
26) 2,2-Dichloropropane	7.01	77	157479	50.948	ug/l	100
27) cis-1,2-Dichloroethene	7.02	96	120595	51.040	ug/l	99
28) Bromochloromethane	7.36	49	87878	51.769	ug/l	97
29) Tetrahydrofuran	7.38	42	137694	254.763	ug/l	100
30) Chloroform	7.53	83	180510	51.017	ug/l	99
31) Cyclohexane	7.81	56	199205	49.333	ug/l	98
32) 1,1,1-Trichloroethane	7.73	97	151758	50.889	ug/l	99
36) 1,1-Dichloropropene	7.94	75	153857	51.262	ug/l	99
37) Ethyl Acetate	7.10	43	89960	51.571	ug/l	99
38) Carbon Tetrachloride	7.92	117	133614	52.113	ug/l	99

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.20	83	202279	50.814	ug/l	99
40) Benzene	8.18	78	454429	51.082	ug/l	100
41) Methacrylonitrile	7.34	41	42662m	54.343	ug/l	
42) 1,2-Dichloroethane	8.26	62	116888	50.990	ug/l	100
43) Isopropyl Acetate	8.29	43	171836	52.030	ug/l	98
44) Trichloroethene	8.96	130	110065	50.802	ug/l	97
45) 1,2-Dichloropropane	9.24	63	115130	51.482	ug/l	100
46) Dibromomethane	9.32	93	57418	49.823	ug/l	98
47) Bromodichloromethane	9.52	83	139694	52.109	ug/l	99
48) Methyl methacrylate	9.31	41	76336	52.090	ug/l	95
49) 1,4-Dioxane	9.32	88	15841	1003.161	ug/l	98
51) 4-Methyl-2-Pentanone	10.08	43	446561	262.514	ug/l	100
52) Toluene	10.25	92	278920	51.612	ug/l	100
53) t-1,3-Dichloropropene	10.48	75	153207	52.456	ug/l	98
54) cis-1,3-Dichloropropene	9.94	75	181106	52.088	ug/l	99
55) 1,1,2-Trichloroethane	10.66	97	86425	51.243	ug/l	97
56) Ethyl methacrylate	10.52	69	130666	52.857	ug/l	97
57) 1,3-Dichloropropane	10.80	76	154070	51.248	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.80	63	202960	232.622	ug/l	100
59) 2-Hexanone	10.85	43	327931	270.088	ug/l	99
60) Dibromochloromethane	11.00	129	92777	52.205	ug/l	99
61) 1,2-Dibromoethane	11.10	107	82102	51.391	ug/l	99
64) Tetrachloroethene	10.73	164	88242	50.760	ug/l	97
65) Chlorobenzene	11.53	112	281949	51.046	ug/l	100
66) 1,1,1,2-Tetrachloroethane	11.60	131	95155	52.534	ug/l	99
67) Ethyl Benzene	11.60	91	530595	51.508	ug/l	97
68) m/p-Xylenes	11.71	106	395564	103.864	ug/l	99
69) o-Xylene	12.04	106	186413	51.932	ug/l	98
70) Styrene	12.05	104	323675	52.648	ug/l	99
71) Bromoform	12.22	173	52222	53.163	ug/l #	100
73) Isopropylbenzene	12.34	105	497446	50.774	ug/l	99
74) N-amyl acetate	12.16	43	157356	52.258	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.59	83	108912	51.550	ug/l	100
76) 1,2,3-Trichloropropane	12.64	75	73117m	48.013	ug/l	
77) Bromobenzene	12.62	156	105377	50.766	ug/l	99
78) n-propylbenzene	12.68	91	617075	51.053	ug/l	100
79) 2-Chlorotoluene	12.77	91	337661	50.564	ug/l	99
80) 1,3,5-Trimethylbenzene	12.82	105	408479	50.645	ug/l	100
81) trans-1,4-Dichloro-2-buten	12.39	75	40281	53.429	ug/l	98
82) 4-Chlorotoluene	12.86	91	352074	50.637	ug/l	99
83) tert-Butylbenzene	13.09	119	351394	52.454	ug/l	97
84) 1,2,4-Trimethylbenzene	13.13	105	409160	51.117	ug/l	100
85) sec-Butylbenzene	13.27	105	510520	51.702	ug/l	100
86) p-Isopropyltoluene	13.38	119	438314	51.458	ug/l	99
87) 1,3-Dichlorobenzene	13.38	146	206141	50.679	ug/l	100
88) 1,4-Dichlorobenzene	13.45	146	204755	49.619	ug/l	98
89) n-Butylbenzene	13.70	91	452317	51.183	ug/l	99
90) Hexachloroethane	13.97	117	84304	52.463	ug/l	99
91) 1,2-Dichlorobenzene	13.75	146	187356	50.700	ug/l	100
92) 1,2-Dibromo-3-Chloropropan	14.37	75	16663	50.542	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	121009	50.494	ug/l	99
94) Hexachlorobutadiene	15.12	225	60160	51.490	ug/l	99
95) Naphthalene	15.25	128	287920	50.651	ug/l	100
96) 1,2,3-Trichlorobenzene	15.44	180	106256	50.331	ug/l	99

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

