

Data Path : Z:\VOASRV\HPCHEM1\MSVOA Y\DATA\VY021120\
 Data File : VY001592.D
 Acq On : 11 Feb 2020 10:26
 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
 2/12/2020 3:12:12 PM

Quant Time: Feb 12 08:02:07 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_Y\METHODS\82Y020420S.M
 Quant Title : SW846 8260
 QLast Update : Tue Feb 04 15:10:08 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.82	168	194177	50.00	ug/l	0.01
34) 1,4-Difluorobenzene	8.71	114	336172	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.50	117	300359	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.44	152	145954	50.00	ug/l	0.01

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.17	65	104755	53.58	ug/l	0.00
Spiked Amount	50.000		Recovery	=	107.16%	
35) Dibromofluoromethane	7.75	113	100169	51.67	ug/l	0.00
Spiked Amount	50.000		Recovery	=	103.34%	
50) Toluene-d8	10.20	98	415870	56.70	ug/l	0.01
Spiked Amount	50.000		Recovery	=	113.40%	
62) 4-Bromofluorobenzene	12.50	95	151171	52.32	ug/l	0.01
Spiked Amount	50.000		Recovery	=	104.64%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.92	85	84144	44.269	ug/l	92
3) Chloromethane	2.13	50	107746	54.236	ug/l	96
4) Vinyl Chloride	2.27	62	112991	54.776	ug/l	97
5) Bromomethane	2.67	94	72816	56.129	ug/l	98
6) Chloroethane	2.82	64	70408	56.626	ug/l	98
7) Trichlorofluoromethane	3.15	101	152259	44.593	ug/l	98
8) Diethyl Ether	3.55	74	56304	48.866	ug/l	92
9) 1,1,2-Trichlorotrifluoroet	3.93	101	95961	46.710	ug/l	99
10) Methyl Iodide	4.12	142	119903	45.804	ug/l	98
11) Tert butyl alcohol	4.99	59	46106	203.411	ug/l	98
12) 1,1-Dichloroethene	3.90	96	96365	47.203	ug/l	98
13) Acrolein	3.76	56	43404	234.459	ug/l	99
14) Allyl chloride	4.52	41	166177	53.210	ug/l	97
15) Acrylonitrile	5.21	53	138960	263.074	ug/l	99
16) Acetone	3.97	43	167325	295.874	ug/l	95
17) Carbon Disulfide	4.22	76	305247	46.968	ug/l	98
18) Methyl Acetate	4.51	43	64078	53.096	ug/l	95
19) Methyl tert-butyl Ether	5.26	73	256412	47.229	ug/l	95
20) Methylene Chloride	4.75	84	104524	46.911	ug/l	88
21) trans-1,2-Dichloroethene	5.26	96	108612	47.857	ug/l	100
22) Diisopropyl ether	6.16	45	340463	55.025	ug/l	97
23) Vinyl Acetate	6.10	43	1090947	276.970	ug/l	94
24) 1,1-Dichloroethane	6.06	63	182498	49.036	ug/l	99
25) 2-Butanone	7.02	43	217152	295.974	ug/l	93
26) 2,2-Dichloropropane	7.02	77	162761	45.695	ug/l	99
27) cis-1,2-Dichloroethene	7.02	96	118380	47.756	ug/l	97
28) Bromochloromethane	7.37	49	80402	63.416	ug/l	88
29) Tetrahydrofuran	7.38	42	122237	277.970	ug/l	93
30) Chloroform	7.54	83	177911	47.193	ug/l	98
31) Cyclohexane	7.82	56	186798	49.067	ug/l	98
32) 1,1,1-Trichloroethane	7.74	97	156965	45.924	ug/l	98
36) 1,1-Dichloropropene	7.95	75	149858	48.729	ug/l	100
37) Ethyl Acetate	7.11	43	82504	55.418	ug/l #	95
38) Carbon Tetrachloride	7.93	117	136301	45.809	ug/l	96

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.21	83	199273	49.211	ug/l	100
40) Benzene	8.19	78	441108	50.287	ug/l	100
41) Methacrylonitrile	7.35	41	33774m	48.948	ug/l	
42) 1,2-Dichloroethane	8.27	62	118024	48.295	ug/l	98
43) Isopropyl Acetate	8.30	43	162993	55.296	ug/l	94
44) Trichloroethene	8.96	130	111453	47.137	ug/l	100
45) 1,2-Dichloropropane	9.24	63	111373	52.580	ug/l	97
46) Dibromomethane	9.33	93	57114	48.019	ug/l	99
47) Bromodichloromethane	9.52	83	141122	48.696	ug/l	97
48) Methyl methacrylate	9.31	41	73124	54.658	ug/l	93
49) 1,4-Dioxane	9.33	88	14737	938.182	ug/l	96
51) 4-Methyl-2-Pentanone	10.09	43	416771	287.103	ug/l	95
52) Toluene	10.26	92	276577	49.692	ug/l	100
53) t-1,3-Dichloropropene	10.49	75	154978	49.098	ug/l	99
54) cis-1,3-Dichloropropene	9.95	75	176283	48.646	ug/l	95
55) 1,1,2-Trichloroethane	10.66	97	84351	49.429	ug/l	99
56) Ethyl methacrylate	10.52	69	124456	51.275	ug/l	92
57) 1,3-Dichloropropane	10.81	76	147767	49.121	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.80	63	262462	293.937	ug/l	96
59) 2-Hexanone	10.85	43	323436	306.438	ug/l	97
60) Dibromochloromethane	11.00	129	95904	47.676	ug/l	99
61) 1,2-Dibromoethane	11.11	107	80367	47.814	ug/l	100
64) Tetrachloroethene	10.74	164	94979	48.218	ug/l	98
65) Chlorobenzene	11.53	112	285239	48.366	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.61	131	99329	48.123	ug/l	98
67) Ethyl Benzene	11.61	91	535895	49.145	ug/l	98
68) m/p-Xylenes	11.72	106	400990	97.957	ug/l	99
69) o-Xylene	12.05	106	190246	49.291	ug/l	100
70) Styrene	12.06	104	331008	49.593	ug/l	98
71) Bromoform	12.22	173	56301	48.986	ug/l	99
73) Isopropylbenzene	12.34	105	515400	46.300	ug/l	100
74) N-amyl acetate	12.16	43	157323	54.388	ug/l	95
75) 1,1,2,2-Tetrachloroethane	12.59	83	105274	49.777	ug/l	99
76) 1,2,3-Trichloropropane	12.65	75	78840m	50.230	ug/l	
77) Bromobenzene	12.62	156	111094	46.116	ug/l	95
78) n-propylbenzene	12.69	91	633434	47.532	ug/l	99
79) 2-Chlorotoluene	12.77	91	352292	46.377	ug/l	98
80) 1,3,5-Trimethylbenzene	12.83	105	429526	45.817	ug/l	99
81) trans-1,4-Dichloro-2-buten	12.39	75	39637	48.863	ug/l	98
82) 4-Chlorotoluene	12.87	91	372574	46.780	ug/l	100
83) tert-Butylbenzene	13.09	119	363835	45.914	ug/l	99
84) 1,2,4-Trimethylbenzene	13.13	105	428484	46.180	ug/l	98
85) sec-Butylbenzene	13.27	105	534188	47.947	ug/l	100
86) p-Isopropyltoluene	13.38	119	464197	47.280	ug/l	99
87) 1,3-Dichlorobenzene	13.38	146	222091	48.106	ug/l	98
88) 1,4-Dichlorobenzene	13.46	146	218239	47.185	ug/l	99
89) n-Butylbenzene	13.71	91	471135	48.635	ug/l	99
90) Hexachloroethane	13.97	117	88060	46.731	ug/l	100
91) 1,2-Dichlorobenzene	13.75	146	199237	47.621	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.37	75	17072	43.726	ug/l	97

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.02	180	131039	46.477	ug/l	99
94) Hexachlorobutadiene	15.12	225	65364	45.679	ug/l	98
95) Naphthalene	15.25	128	291493	43.991	ug/l	99
96) 1,2,3-Trichlorobenzene	15.44	180	114840	46.143	ug/l	96

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

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