

Data Path : Z:\VOASRV\HPCHEM1\MSVOA Y\DATA\VY052720\
 Data File : VY002758.D
 Acq On : 27 May 2020 12:14
 Operator : SY/MD
 Sample : VSTDICCC050
 Misc : 5.00G/5ML/MSVOA Y/SOIL
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 VSTDICCC050

Manual Integrations
 APPROVED

MMDadoda
 5/28/2020 2:08:37 PM

Quant Time: May 27 12:56:58 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_Y\METHODS\82Y052720S.M
 Quant Title : SW846 8260
 QLast Update : Wed May 27 12:34:34 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.80	168	331572	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.69	114	494320	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.49	117	455182	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.42	152	245384	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.15	65	142892	54.50	ug/l	0.00
Spiked Amount	50.000		Recovery	=	109.00%	
35) Dibromofluoromethane	7.73	113	146400	53.24	ug/l	0.00
Spiked Amount	50.000		Recovery	=	106.48%	
50) Toluene-d8	10.18	98	579634	52.44	ug/l	0.00
Spiked Amount	50.000		Recovery	=	104.88%	
62) 4-Bromofluorobenzene	12.48	95	200247	52.52	ug/l	0.00
Spiked Amount	50.000		Recovery	=	105.04%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.90	85	105096	44.714	ug/l	100
3) Chloromethane	2.12	50	115914	43.396	ug/l	100
4) Vinyl Chloride	2.26	62	125537	44.988	ug/l	100
5) Bromomethane	2.65	94	93288	45.075	ug/l	100
6) Chloroethane	2.79	64	82479	46.177	ug/l	100
7) Trichlorofluoromethane	3.13	101	228319	48.070	ug/l	100
8) Diethyl Ether	3.54	74	87003	53.323	ug/l	100
9) 1,1,2-Trichlorotrifluoroet	3.90	101	140036	48.552	ug/l	100
10) Methyl Iodide	4.10	142	204508	51.853	ug/l	100
11) Tert butyl alcohol	4.97	59	76059	281.287	ug/l	100
12) 1,1-Dichloroethene	3.88	96	138098	47.878	ug/l	100
13) Acrolein	3.74	56	79597	256.799	ug/l	100
14) Allyl chloride	4.48	41	204270	49.199	ug/l	100
15) Acrylonitrile	5.18	53	207354	278.708	ug/l	100
16) Acetone	3.96	43	174519	314.053	ug/l	100
17) Carbon Disulfide	4.20	76	416049	46.367	ug/l	100
18) Methyl Acetate	4.49	43	84682	54.994	ug/l	100
19) Methyl tert-butyl Ether	5.23	73	386037	53.250	ug/l	100
20) Methylene Chloride	4.72	84	155129	48.164	ug/l	100
21) trans-1,2-Dichloroethene	5.22	96	155368	48.429	ug/l	100
22) Diisopropyl ether	6.13	45	419263	50.742	ug/l	100
23) Vinyl Acetate	6.07	43	1433500	268.892	ug/l	100
24) 1,1-Dichloroethane	6.03	63	245732	49.863	ug/l	100
25) 2-Butanone	7.00	43	263955	291.080	ug/l	100
26) 2,2-Dichloropropane	6.99	77	224980	48.804	ug/l	100
27) cis-1,2-Dichloroethene	7.00	96	174151	50.039	ug/l	100
28) Bromochloromethane	7.34	49	100248	50.873	ug/l	100
29) Tetrahydrofuran	7.35	42	172454	282.444	ug/l	100
30) Chloroform	7.52	83	260701	50.844	ug/l	100
31) Cyclohexane	7.79	56	230194	46.267	ug/l	100
32) 1,1,1-Trichloroethane	7.71	97	240119	50.597	ug/l	100
36) 1,1-Dichloropropene	7.92	75	202948	48.724	ug/l	100
37) Ethyl Acetate	7.08	43	112395	54.292	ug/l	100
38) Carbon Tetrachloride	7.91	117	224959	50.172	ug/l	100

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.19	83	264614	47.518	ug/l	100
40) Benzene	8.17	78	600940	49.446	ug/l	100
41) Methacrylonitrile	7.33	41	57603m	47.673	ug/l	
42) 1,2-Dichloroethane	8.24	62	167381	51.845	ug/l	100
43) Isopropyl Acetate	8.28	43	215092	55.635	ug/l	100
44) Trichloroethene	8.94	130	189896	49.095	ug/l	100
45) 1,2-Dichloropropane	9.22	63	145152	50.088	ug/l	100
46) Dibromomethane	9.31	93	86508	52.915	ug/l	100
47) Bromodichloromethane	9.50	83	205908	51.802	ug/l	100
48) Methyl methacrylate	9.30	41	96468	54.405	ug/l	100
49) 1,4-Dioxane	9.30	88	26563	1164.348	ug/l	100
51) 4-Methyl-2-Pentanone	10.07	43	566747	282.913	ug/l	100
52) Toluene	10.24	92	394505	50.005	ug/l	100
53) t-1,3-Dichloropropene	10.47	75	224493	52.673	ug/l	100
54) cis-1,3-Dichloropropene	9.93	75	253916	51.629	ug/l	100
55) 1,1,2-Trichloroethane	10.64	97	132670	54.063	ug/l	100
56) Ethyl methacrylate	10.51	69	180033	55.296	ug/l	100
57) 1,3-Dichloropropane	10.79	76	216189	52.950	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.78	63	426257	266.605	ug/l	100
59) 2-Hexanone	10.83	43	409270	291.646	ug/l	100
60) Dibromochloromethane	10.99	129	168762	54.104	ug/l	100
61) 1,2-Dibromoethane	11.09	107	131376	54.438	ug/l	100
64) Tetrachloroethene	10.72	164	203026	47.546	ug/l	100
65) Chlorobenzene	11.52	112	439757	50.021	ug/l	100
66) 1,1,1,2-Tetrachloroethane	11.59	131	168819	51.546	ug/l	100
67) Ethyl Benzene	11.59	91	760837	49.411	ug/l	100
68) m/p-Xylenes	11.70	106	593699	99.082	ug/l	100
69) o-Xylene	12.03	106	282985	50.238	ug/l	100
70) Styrene	12.04	104	493056	50.910	ug/l	100
71) Bromoform	12.20	173	112813	55.232	ug/l #	100
73) Isopropylbenzene	12.33	105	766592	48.132	ug/l	100
74) N-amyl acetate	12.14	43	204590	53.983	ug/l	100
75) 1,1,2,2-Tetrachloroethane	12.58	83	136839	56.592	ug/l	100
76) 1,2,3-Trichloropropane	12.63	75	108921m	53.650	ug/l	
77) Bromobenzene	12.61	156	198836	49.642	ug/l	100
78) n-propylbenzene	12.67	91	890700	48.078	ug/l	100
79) 2-Chlorotoluene	12.75	91	495103	48.127	ug/l	100
80) 1,3,5-Trimethylbenzene	12.81	105	646440	48.299	ug/l	100
81) trans-1,4-Dichloro-2-buten	12.38	75	59140	54.619	ug/l	100
82) 4-Chlorotoluene	12.85	91	525378	48.604	ug/l	100
83) tert-Butylbenzene	13.08	119	576168	48.511	ug/l	100
84) 1,2,4-Trimethylbenzene	13.12	105	650726	48.569	ug/l	100
85) sec-Butylbenzene	13.25	105	782515	47.864	ug/l	100
86) p-Isopropyltoluene	13.37	119	732778	47.947	ug/l	100
87) 1,3-Dichlorobenzene	13.36	146	377801	48.911	ug/l	100
88) 1,4-Dichlorobenzene	13.44	146	376725	48.992	ug/l	100
89) n-Butylbenzene	13.69	91	665915	47.439	ug/l	100
90) Hexachloroethane	13.96	117	137448	48.429	ug/l	100
91) 1,2-Dichlorobenzene	13.73	146	346162	49.828	ug/l	100
92) 1,2-Dibromo-3-Chloropropan	14.36	75	26256	56.541	ug/l	100

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.01	180	259116	48.185	ug/l	100
94) Hexachlorobutadiene	15.11	225	146822	45.427	ug/l	100
95) Naphthalene	15.23	128	523641	53.738	ug/l	100
96) 1,2,3-Trichlorobenzene	15.42	180	228433	48.660	ug/l	100

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

