

Data Path : Z:\VOASRV\HPCHEM1\MSVOA Y\DATA\VY011720\
 Data File : VY001266.D
 Acq On : 17 Jan 2020 15:25
 Operator : SY/MD
 Sample : VSTDCCC050
 Misc : 5.00G/5ML/MSVOA Y/SOIL
 ALS Vial : 3 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 VSTDCCC050

Manual Integrations
 APPROVED

MMDadoda
 1/20/2020 11:06:39 AM

Quant Time: Jan 18 03:32:26 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_Y\METHODS\82Y011020S.M
 Quant Title : SW846 8260
 QLast Update : Fri Jan 10 16:01:58 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.81	168	194303	50.00	ug/l	0.02
34) 1,4-Difluorobenzene	8.71	114	340647	50.00	ug/l	0.02
63) Chlorobenzene-d5	11.50	117	300617	50.00	ug/l	0.02
72) 1,4-Dichlorobenzene-d4	13.44	152	145730	50.00	ug/l	0.01

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.17	65	99291	48.38	ug/l	0.02
Spiked Amount	50.000		Recovery	=	96.76%	
35) Dibromofluoromethane	7.74	113	93283	46.77	ug/l	0.02
Spiked Amount	50.000		Recovery	=	93.54%	
50) Toluene-d8	10.20	98	383065	49.85	ug/l	0.02
Spiked Amount	50.000		Recovery	=	99.70%	
62) 4-Bromofluorobenzene	12.49	95	144566	46.01	ug/l	0.01
Spiked Amount	50.000		Recovery	=	92.02%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.91	85	61056	40.916	ug/l	97
3) Chloromethane	2.13	50	93845	43.630	ug/l	100
4) Vinyl Chloride	2.26	62	100287	46.281	ug/l	100
5) Bromomethane	2.66	94	68848	59.149	ug/l	98
6) Chloroethane	2.81	64	67039	53.550	ug/l	96
7) Trichlorofluoromethane	3.14	101	133726	44.335	ug/l	97
8) Diethyl Ether	3.55	74	56812	48.473	ug/l	95
9) 1,1,2-Trichlorotrifluoroet	3.92	101	86224	44.411	ug/l	99
10) Methyl Iodide	4.11	142	115101	43.312	ug/l	99
11) Tert butyl alcohol	4.98	59	53508	259.148	ug/l	99
12) 1,1-Dichloroethene	3.89	96	89714	45.165	ug/l	99
13) Acrolein	3.75	56	53529	287.974	ug/l	100
14) Allyl chloride	4.50	41	157054	46.847	ug/l	99
15) Acrylonitrile	5.19	53	149190	254.521	ug/l	99
16) Acetone	3.97	43	139421	292.531	ug/l	95
17) Carbon Disulfide	4.21	76	254936	39.655	ug/l	100
18) Methyl Acetate	4.50	43	77476	49.167	ug/l	99
19) Methyl tert-butyl Ether	5.25	73	273559	49.788	ug/l	99
20) Methylene Chloride	4.74	84	114279	51.633	ug/l	98
21) trans-1,2-Dichloroethene	5.24	96	103987	46.169	ug/l	98
22) Diisopropyl ether	6.14	45	343367	50.146	ug/l	99
23) Vinyl Acetate	6.09	43	1120245	255.813	ug/l	100
24) 1,1-Dichloroethane	6.05	63	184907	49.327	ug/l	99
25) 2-Butanone	7.02	43	207205	279.342	ug/l	100
26) 2,2-Dichloropropane	7.01	77	160087	46.440	ug/l	99
27) cis-1,2-Dichloroethene	7.01	96	121791	49.349	ug/l	100
28) Bromochloromethane	7.36	49	88788	57.679	ug/l	99
29) Tetrahydrofuran	7.37	42	129295	254.352	ug/l	97
30) Chloroform	7.53	83	184106	50.124	ug/l	99
31) Cyclohexane	7.81	56	162063	40.832	ug/l	97
32) 1,1,1-Trichloroethane	7.73	97	152225	46.709	ug/l	99
36) 1,1-Dichloropropene	7.94	75	140475	45.245	ug/l	100
37) Ethyl Acetate	7.10	43	86593	47.523	ug/l	99
38) Carbon Tetrachloride	7.92	117	129878	45.645	ug/l	97

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.20	83	176415	41.911	ug/l	97
40) Benzene	8.19	78	434764	47.971	ug/l	99
41) Methacrylonitrile	7.35	41	42484m	49.635	ug/l	
42) 1,2-Dichloroethane	8.26	62	120859	47.624	ug/l	99
43) Isopropyl Acetate	8.30	43	171807	49.309	ug/l	98
44) Trichloroethene	8.96	130	112019	47.434	ug/l	100
45) 1,2-Dichloropropane	9.24	63	112511	50.215	ug/l	97
46) Dibromomethane	9.33	93	58669	47.991	ug/l	99
47) Bromodichloromethane	9.52	83	146340	49.118	ug/l	99
48) Methyl methacrylate	9.31	41	77257	47.915	ug/l	98
49) 1,4-Dioxane	9.31	88	16968	1139.723	ug/l	92
51) 4-Methyl-2-Pentanone	10.09	43	442916	250.525	ug/l	99
52) Toluene	10.26	92	272110	47.074	ug/l	98
53) t-1,3-Dichloropropene	10.48	75	161438	48.423	ug/l	97
54) cis-1,3-Dichloropropene	9.94	75	184710	49.140	ug/l	99
55) 1,1,2-Trichloroethane	10.66	97	88985	49.099	ug/l	98
56) Ethyl methacrylate	10.52	69	134372	48.469	ug/l	97
57) 1,3-Dichloropropane	10.81	76	154279	49.587	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.80	63	227723	233.551	ug/l	99
59) 2-Hexanone	10.84	43	322660	260.412	ug/l	97
60) Dibromochloromethane	11.00	129	101698	48.737	ug/l	100
61) 1,2-Dibromoethane	11.10	107	84128	47.540	ug/l	99
64) Tetrachloroethene	10.74	164	85775	44.263	ug/l	96
65) Chlorobenzene	11.53	112	291241	48.485	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.60	131	103611	50.047	ug/l	99
67) Ethyl Benzene	11.61	91	530764	48.302	ug/l	98
68) m/p-Xylenes	11.71	106	404444	97.571	ug/l	100
69) o-Xylene	12.04	106	195056	49.080	ug/l	99
70) Styrene	12.05	104	344354	49.382	ug/l	98
71) Bromoform	12.22	173	61326	48.033	ug/l #	99
73) Isopropylbenzene	12.34	105	518944	47.368	ug/l	100
74) N-amyl acetate	12.15	43	168327	49.232	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.59	83	113035	49.039	ug/l	100
76) 1,2,3-Trichloropropane	12.64	75	73246m	46.951	ug/l	
77) Bromobenzene	12.62	156	119380	49.315	ug/l	96
78) n-propylbenzene	12.68	91	627432	47.612	ug/l	99
79) 2-Chlorotoluene	12.77	91	359705	47.529	ug/l	99
80) 1,3,5-Trimethylbenzene	12.82	105	438802	48.003	ug/l	99
81) trans-1,4-Dichloro-2-buten	12.39	75	43153	46.907	ug/l #	98
82) 4-Chlorotoluene	12.86	91	387006	47.900	ug/l	99
83) tert-Butylbenzene	13.08	119	370419	48.226	ug/l	98
84) 1,2,4-Trimethylbenzene	13.12	105	440331	48.507	ug/l	100
85) sec-Butylbenzene	13.26	105	534774	48.397	ug/l	99
86) p-Isopropyltoluene	13.37	119	468151	48.797	ug/l	99
87) 1,3-Dichlorobenzene	13.37	146	229677	50.168	ug/l	99
88) 1,4-Dichlorobenzene	13.45	146	231263	49.081	ug/l	99
89) n-Butylbenzene	13.70	91	471534	48.799	ug/l	99
90) Hexachloroethane	13.97	117	91958	49.054	ug/l	99
91) 1,2-Dichlorobenzene	13.75	146	210593	49.495	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.36	75	19151	46.060	ug/l	97

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.01	180	139583	49.791	ug/l	99
94) Hexachlorobutadiene	15.12	225	67673	47.917	ug/l	99
95) Naphthalene	15.24	128	317515	48.651	ug/l	99
96) 1,2,3-Trichlorobenzene	15.43	180	124715	50.478	ug/l	98

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

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