

Data Path : Z:\VOASRV\HPCHEM1\MSVOA Y\DATA\VY061520\
 Data File : VY002899.D
 Acq On : 15 Jun 2020 16:31
 Operator : SY/MD
 Sample : VSTDCCC050
 Misc : 5.00G/5ML/MSVOA Y/SOIL
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 VSTDCCC050EC

Manual Integrations
 APPROVED

MMDadoda
 6/16/2020 3:22:44 PM

Quant Time: Jun 16 02:32:48 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_Y\METHODS\82Y052720S.M
 Quant Title : SW846 8260
 QLast Update : Wed May 27 13:13:33 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.80	168	270936	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.69	114	393436	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.49	117	368635	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.42	152	204493	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	8.15	65	113826	48.39	ug/l	0.00
Spiked Amount			Recovery	=	96.78%	
35) Dibromofluoromethane	7.73	113	116822	50.67	ug/l	0.00
Spiked Amount			Recovery	=	101.34%	
50) Toluene-d8	10.18	98	450327	48.30	ug/l	0.00
Spiked Amount			Recovery	=	96.60%	
62) 4-Bromofluorobenzene	12.48	95	161699	50.75	ug/l	0.00
Spiked Amount			Recovery	=	101.50%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	1.91	85	84976	45.582	ug/l	97
3) Chloromethane	2.12	50	98470	47.753	ug/l	100
4) Vinyl Chloride	2.26	62	108458	49.762	ug/l	99
5) Bromomethane	2.65	94	77236	47.288	ug/l	96
6) Chloroethane	2.80	64	67476	47.757	ug/l	93
7) Trichlorofluoromethane	3.13	101	191945	49.725	ug/l	100
8) Diethyl Ether	3.54	74	71425	47.387	ug/l	97
9) 1,1,2-Trichlorotrifluoroet	3.91	101	115157	50.245	ug/l	97
10) Methyl Iodide	4.10	142	161712	50.425	ug/l	99
11) Tert butyl alcohol	4.97	59	61784	244.054	ug/l	100
12) 1,1-Dichloroethene	3.88	96	112322	48.732	ug/l	98
13) Acrolein	3.74	56	53539	194.205	ug/l	98
14) Allyl chloride	4.49	41	165240	49.986	ug/l	99
15) Acrylonitrile	5.18	53	178834	262.998	ug/l	100
16) Acetone	3.96	43	155184	281.321	ug/l	98
17) Carbon Disulfide	4.20	76	303815	43.620	ug/l	98
18) Methyl Acetate	4.49	43	74530	53.921	ug/l	99
19) Methyl tert-butyl Ether	5.23	73	335619	52.745	ug/l	98
20) Methylene Chloride	4.72	84	133795	49.632	ug/l	97
21) trans-1,2-Dichloroethene	5.23	96	125189	48.297	ug/l	97
22) Diisopropyl ether	6.13	45	348214	50.690	ug/l	94
23) Vinyl Acetate	6.07	43	1189845	262.344	ug/l	99
24) 1,1-Dichloroethane	6.03	63	205197	51.063	ug/l	99
25) 2-Butanone	7.00	43	225304	262.154	ug/l	98
26) 2,2-Dichloropropane	6.99	77	195591	50.750	ug/l	99
27) cis-1,2-Dichloroethene	7.00	96	146944	50.640	ug/l	98
28) Bromochloromethane	7.34	49	79626	48.268	ug/l	99
29) Tetrahydrofuran	7.36	42	142852	255.536	ug/l	98
30) Chloroform	7.52	83	223376	52.384	ug/l	98
31) Cyclohexane	7.79	56	179571	45.007	ug/l	98
32) 1,1,1-Trichloroethane	7.71	97	204265	51.405	ug/l	99
36) 1,1-Dichloropropene	7.92	75	165106	49.818	ug/l	99
37) Ethyl Acetate	7.08	43	96612	53.579	ug/l	99
38) Carbon Tetrachloride	7.91	117	193632	52.592	ug/l	99

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.19	83	212787	48.710	ug/l	99
40) Benzene	8.17	78	502277	51.290	ug/l	98
41) Methacrylonitrile	7.33	41	48569m	50.138	ug/l	
42) 1,2-Dichloroethane	8.24	62	144734	52.737	ug/l	100
43) Isopropyl Acetate	8.28	43	181094	52.997	ug/l	99
44) Trichloroethene	8.94	130	156350	50.545	ug/l	98
45) 1,2-Dichloropropane	9.22	63	120931	51.495	ug/l	100
46) Dibromomethane	9.31	93	72511	51.990	ug/l	98
47) Bromodichloromethane	9.50	83	177500	53.985	ug/l	99
48) Methyl methacrylate	9.30	41	83027	53.824	ug/l	99
49) 1,4-Dioxane	9.31	88	21493	1003.637	ug/l	97
51) 4-Methyl-2-Pentanone	10.07	43	494142	273.096	ug/l	100
52) Toluene	10.25	92	329978	51.509	ug/l	99
53) t-1,3-Dichloropropene	10.47	75	194256	54.091	ug/l	97
54) cis-1,3-Dichloropropene	9.93	75	215097	52.858	ug/l	99
55) 1,1,2-Trichloroethane	10.64	97	113881	53.334	ug/l	95
56) Ethyl methacrylate	10.51	69	155552	54.390	ug/l	98
57) 1,3-Dichloropropane	10.79	76	187469	53.380	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.78	63	366280	262.106	ug/l	99
59) 2-Hexanone	10.83	43	353127	275.060	ug/l	99
60) Dibromochloromethane	10.99	129	146984	54.296	ug/l	99
61) 1,2-Dibromoethane	11.09	107	111859	53.107	ug/l	100
64) Tetrachloroethene	10.72	164	163595	48.829	ug/l	98
65) Chlorobenzene	11.52	112	379123	52.034	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.59	131	147295	53.677	ug/l	100
67) Ethyl Benzene	11.59	91	653720	51.754	ug/l	99
68) m/p-Xylenes	11.70	106	511135	104.369	ug/l	99
69) o-Xylene	12.03	106	244084	52.794	ug/l	100
70) Styrene	12.05	104	426099	53.165	ug/l	100
71) Bromoform	12.21	173	101435	55.243	ug/l #	99
73) Isopropylbenzene	12.33	105	665739	50.801	ug/l	99
74) N-amyl acetate	12.14	43	174684	51.951	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.58	83	125283	54.487	ug/l	99
76) 1,2,3-Trichloropropane	12.63	75	97990m	53.180	ug/l	
77) Bromobenzene	12.61	156	172649	50.596	ug/l	99
78) n-propylbenzene	12.67	91	770517	50.901	ug/l	100
79) 2-Chlorotoluene	12.75	91	428475	50.460	ug/l	99
80) 1,3,5-Trimethylbenzene	12.81	105	562327	51.392	ug/l	99
81) trans-1,4-Dichloro-2-buten	12.38	75	51931	53.097	ug/l	97
82) 4-Chlorotoluene	12.86	91	452801	50.896	ug/l	99
83) tert-Butylbenzene	13.08	119	505125	51.753	ug/l	100
84) 1,2,4-Trimethylbenzene	13.12	105	566301	51.472	ug/l	100
85) sec-Butylbenzene	13.25	105	684820	51.315	ug/l	100
86) p-Isopropyltoluene	13.37	119	650108	52.353	ug/l	100
87) 1,3-Dichlorobenzene	13.36	146	330383	51.115	ug/l	99
88) 1,4-Dichlorobenzene	13.45	146	330956	51.186	ug/l	99
89) n-Butylbenzene	13.70	91	577638	51.236	ug/l	99
90) Hexachloroethane	13.96	117	121412	52.226	ug/l	97
91) 1,2-Dichlorobenzene	13.74	146	305332	52.088	ug/l	100
92) 1,2-Dibromo-3-Chloropropan	14.36	75	24170	54.638	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	229986	52.053	ug/l	99
94) Hexachlorobutadiene	15.11	225	130916	52.241	ug/l	100
95) Naphthalene	15.23	128	470362	53.095	ug/l	100
96) 1,2,3-Trichlorobenzene	15.42	180	206086	52.233	ug/l	100

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

