

Data Path : Z:\VOASRV\HPCHEM1\MSVOA Y\DATA\VY011520\
 Data File : VY001233.D
 Acq On : 15 Jan 2020 20:49
 Operator : SY/MD
 Sample : VSTDCCC050
 Misc : 5.00G/5ML/MSVOA Y/SOIL
 ALS Vial : 27 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 VSTDCCC050EC

Manual Integrations
 APPROVED

MMDadoda
 1/16/2020 9:36:35 AM

Quant Time: Jan 16 06:36:04 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	7.80	168	209849	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.70	114	386298	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.49	117	337972	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.42	152	155796	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	112045	50.55	ug/l	0.00
Spiked Amount				50.000		
			Recovery	=	101.10%	
35) Dibromofluoromethane	7.73	113	106365	47.03	ug/l	0.00
Spiked Amount				50.000		
			Recovery	=	94.06%	
50) Toluene-d8	10.18	98	427055	49.00	ug/l	0.00
Spiked Amount				50.000		
			Recovery	=	98.00%	
62) 4-Bromofluorobenzene	12.48	95	162905	45.72	ug/l	0.00
Spiked Amount				50.000		
			Recovery	=	91.44%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	1.90	85	89292	55.405	ug/l	99
3) Chloromethane	2.12	50	101690	43.775	ug/l	99
4) Vinyl Chloride	2.26	62	105539	45.096	ug/l	98
5) Bromomethane	2.65	94	71142	56.592	ug/l	96
6) Chloroethane	2.80	64	65713	48.602	ug/l	98
7) Trichlorofluoromethane	3.13	101	174892	53.688	ug/l	96
8) Diethyl Ether	3.54	74	75187	59.399	ug/l	97
9) 1,1,2-Trichlorotrifluoroet	3.90	101	114112	54.421	ug/l	98
10) Methyl Iodide	4.10	142	156094	54.386	ug/l	99
11) Tert butyl alcohol	4.97	59	63956	286.802	ug/l	99
12) 1,1-Dichloroethene	3.88	96	120514	56.177	ug/l	95
13) Acrolein	3.74	56	56986	283.861	ug/l	97
14) Allyl chloride	4.49	41	192695	53.221	ug/l	95
15) Acrylonitrile	5.18	53	177712	280.720	ug/l	99
16) Acetone	3.96	43	137895	267.895	ug/l	91
17) Carbon Disulfide	4.20	76	381880	55.000	ug/l	100
18) Methyl Acetate	4.49	43	89785	52.758	ug/l	99
19) Methyl tert-butyl Ether	5.23	73	338956	57.121	ug/l	100
20) Methylene Chloride	4.73	84	152879	65.438	ug/l	98
21) trans-1,2-Dichloroethene	5.23	96	138565	56.964	ug/l	96
22) Diisopropyl ether	6.13	45	405644	54.853	ug/l	95
23) Vinyl Acetate	6.07	43	1282203	271.105	ug/l	97
24) 1,1-Dichloroethane	6.04	63	230064	56.826	ug/l	99
25) 2-Butanone	7.00	43	223876	279.458	ug/l	98
26) 2,2-Dichloropropane	7.00	77	185199	49.745	ug/l	99
27) cis-1,2-Dichloroethene	7.00	96	155561	58.363	ug/l	97
28) Bromochloromethane	7.35	49	104564	62.896	ug/l	97
29) Tetrahydrofuran	7.36	42	149550	272.404	ug/l	98
30) Chloroform	7.52	83	225335	56.804	ug/l	99
31) Cyclohexane	7.79	56	211583	49.359	ug/l	98
32) 1,1,1-Trichloroethane	7.71	97	186964	53.119	ug/l	99
36) 1,1-Dichloropropene	7.93	75	174987	49.700	ug/l	99
37) Ethyl Acetate	7.09	43	102001	49.364	ug/l	99
38) Carbon Tetrachloride	7.91	117	154966	48.026	ug/l	96

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.19	83	227428	47.646	ug/l	99
40) Benzene	8.17	78	543991	52.929	ug/l	99
41) Methacrylonitrile	7.34	41	63436m	65.356	ug/l	
42) 1,2-Dichloroethane	8.25	62	148226	51.506	ug/l	98
43) Isopropyl Acetate	8.28	43	200721	50.800	ug/l	100
44) Trichloroethene	8.94	130	133544	49.866	ug/l	96
45) 1,2-Dichloropropane	9.22	63	136611	53.766	ug/l	98
46) Dibromomethane	9.31	93	72772	52.493	ug/l	98
47) Bromodichloromethane	9.50	83	174774	51.730	ug/l	96
48) Methyl methacrylate	9.30	41	88475	48.388	ug/l	94
49) 1,4-Dioxane	9.30	88	19816	1173.726	ug/l #	80
51) 4-Methyl-2-Pentanone	10.07	43	493832	246.315	ug/l	98
52) Toluene	10.25	92	337329	51.460	ug/l	99
53) t-1,3-Dichloropropene	10.47	75	190187	50.305	ug/l	99
54) cis-1,3-Dichloropropene	9.93	75	221396	51.940	ug/l	94
55) 1,1,2-Trichloroethane	10.64	97	107368	52.241	ug/l	99
56) Ethyl methacrylate	10.51	69	162032	51.540	ug/l	94
57) 1,3-Dichloropropane	10.79	76	187540	53.154	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.78	63	279766	253.018	ug/l	99
59) 2-Hexanone	10.83	43	346401	246.534	ug/l	97
60) Dibromochloromethane	10.99	129	120214	50.802	ug/l	99
61) 1,2-Dibromoethane	11.09	107	101624	50.640	ug/l	99
64) Tetrachloroethene	10.72	164	104806	48.106	ug/l	96
65) Chlorobenzene	11.52	112	345791	51.204	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.59	131	117985	50.691	ug/l	98
67) Ethyl Benzene	11.59	91	631665	51.131	ug/l	98
68) m/p-Xylenes	11.70	106	476912	102.337	ug/l	100
69) o-Xylene	12.03	106	232058	51.937	ug/l	99
70) Styrene	12.04	104	407655	51.998	ug/l	99
71) Bromoform	12.20	173	70550	49.150	ug/l #	98
73) Isopropylbenzene	12.33	105	607327	51.854	ug/l	100
74) N-amyl acetate	12.14	43	182969	50.057	ug/l	97
75) 1,1,2,2-Tetrachloroethane	12.58	83	130680	53.032	ug/l	100
76) 1,2,3-Trichloropropane	12.63	75	87392m	52.399	ug/l	
77) Bromobenzene	12.61	156	144020	55.649	ug/l	92
78) n-propylbenzene	12.67	91	744896	52.874	ug/l	100
79) 2-Chlorotoluene	12.75	91	422182	52.180	ug/l	99
80) 1,3,5-Trimethylbenzene	12.81	105	509304	52.116	ug/l	98
81) trans-1,4-Dichloro-2-buten	12.38	75	48391	49.203	ug/l #	92
82) 4-Chlorotoluene	12.85	91	440786	51.031	ug/l	99
83) tert-Butylbenzene	13.07	119	417502	50.844	ug/l	100
84) 1,2,4-Trimethylbenzene	13.12	105	503897	51.923	ug/l	99
85) sec-Butylbenzene	13.25	105	608482	51.509	ug/l	100
86) p-Isopropyltoluene	13.37	119	522784	50.970	ug/l	99
87) 1,3-Dichlorobenzene	13.36	146	254751	52.049	ug/l	99
88) 1,4-Dichlorobenzene	13.44	146	258505	51.318	ug/l	99
89) n-Butylbenzene	13.69	91	532273	51.526	ug/l	99
90) Hexachloroethane	13.96	117	106845	53.313	ug/l	93
91) 1,2-Dichlorobenzene	13.74	146	235803	51.839	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.36	75	21047	47.349	ug/l	97

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.00	180	148582	49.577	ug/l	99
94) Hexachlorobutadiene	15.11	225	70966	47.002	ug/l	99
95) Naphthalene	15.23	128	351932	50.440	ug/l	99
96) 1,2,3-Trichlorobenzene	15.42	180	130238	49.308	ug/l	98

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

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