

Data Path : Z:\VOASRV\HPCHEM1\MSVOA Y\DATA\VY012920\
 Data File : VY001422.D
 Acq On : 29 Jan 2020 16:40
 Operator : SY/MD
 Sample : VSTDCCC050
 Misc : 5.00G/5ML/MSVOA Y/SOIL
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 VSTDCCC050EC

Manual Integrations
 APPROVED

MMDadoda
 1/30/2020 10:27:33 AM

Quant Time: Jan 29 17:00:32 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_Y\METHODS\82Y012120S.M
 Quant Title : SW846 8260
 QLast Update : Thu Jan 23 01:21:47 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.81	168	182408	50.00	ug/l	-0.01
34) 1,4-Difluorobenzene	8.71	114	324995	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.50	117	288575	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.43	152	138200	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	8.16	65	104107	52.45	ug/l	-0.01
Spiked Amount						
			Recovery	=	104.90%	
35) Dibromofluoromethane	7.74	113	98791	51.79	ug/l	-0.01
Spiked Amount						
			Recovery	=	103.58%	
50) Toluene-d8	10.19	98	401903	54.23	ug/l	0.00
Spiked Amount						
			Recovery	=	108.46%	
62) 4-Bromofluorobenzene	12.49	95	152156	51.56	ug/l	0.00
Spiked Amount						
			Recovery	=	103.12%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	1.92	85	75174	52.259	ug/l	99
3) Chloromethane	2.13	50	110070	50.628	ug/l	99
4) Vinyl Chloride	2.27	62	115384	50.899	ug/l	93
5) Bromomethane	2.67	94	77971	51.070	ug/l	99
6) Chloroethane	2.82	64	76566	52.857	ug/l	99
7) Trichlorofluoromethane	3.15	101	157868	54.429	ug/l	97
8) Diethyl Ether	3.55	74	64036	52.300	ug/l	99
9) 1,1,2-Trichlorotrifluoroet	3.93	101	101397	54.895	ug/l	99
10) Methyl Iodide	4.13	142	128322	52.673	ug/l	100
11) Tert butyl alcohol	5.00	59	55093	218.327	ug/l	99
12) 1,1-Dichloroethene	3.90	96	103004	53.185	ug/l	95
13) Acrolein	3.76	56	35856	243.208	ug/l	98
14) Allyl chloride	4.51	41	186413	53.974	ug/l	100
15) Acrylonitrile	5.20	53	168541	268.915	ug/l	100
16) Acetone	3.98	43	155624	299.125	ug/l	97
17) Carbon Disulfide	4.22	76	305456	50.148	ug/l	100
18) Methyl Acetate	4.51	43	85924	51.334	ug/l	100
19) Methyl tert-butyl Ether	5.25	73	302838	53.404	ug/l	99
20) Methylene Chloride	4.75	84	128486	52.646	ug/l	99
21) trans-1,2-Dichloroethene	5.25	96	116487	51.780	ug/l	99
22) Diisopropyl ether	6.14	45	395670	53.950	ug/l	97
23) Vinyl Acetate	6.09	43	1289924	270.918	ug/l	99
24) 1,1-Dichloroethane	6.05	63	212174	54.886	ug/l	97
25) 2-Butanone	7.02	43	231563	268.038	ug/l	100
26) 2,2-Dichloropropane	7.01	77	180275	52.354	ug/l	99
27) cis-1,2-Dichloroethene	7.01	96	135495	53.892	ug/l	98
28) Bromochloromethane	7.36	49	96845	60.748	ug/l	97
29) Tetrahydrofuran	7.37	42	147988	263.298	ug/l	99
30) Chloroform	7.53	83	205197	54.155	ug/l	99
31) Cyclohexane	7.80	56	198539	51.728	ug/l	95
32) 1,1,1-Trichloroethane	7.72	97	177027	55.332	ug/l	98
36) 1,1-Dichloropropene	7.94	75	163030	53.097	ug/l	99
37) Ethyl Acetate	7.10	43	99343	52.957	ug/l	99
38) Carbon Tetrachloride	7.92	117	147652	53.958	ug/l	98

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.19	83	206237	52.433	ug/l	98
40) Benzene	8.18	78	493040	53.555	ug/l	98
41) Methacrylonitrile	7.34	41	55823m	57.666	ug/l	
42) 1,2-Dichloroethane	8.25	62	136174	52.936	ug/l	100
43) Isopropyl Acetate	8.29	43	198955	54.543	ug/l	100
44) Trichloroethene	8.95	130	125042	52.929	ug/l	98
45) 1,2-Dichloropropane	9.23	63	125716	54.018	ug/l	99
46) Dibromomethane	9.31	93	66376	53.125	ug/l	98
47) Bromodichloromethane	9.50	83	160082	53.597	ug/l	96
48) Methyl methacrylate	9.30	41	89246	53.819	ug/l	98
49) 1,4-Dioxane	9.31	88	17957	1019.165	ug/l	93
51) 4-Methyl-2-Pentanone	10.08	43	507847	270.345	ug/l	100
52) Toluene	10.25	92	311080	53.304	ug/l	100
53) t-1,3-Dichloropropene	10.47	75	178279	53.852	ug/l	99
54) cis-1,3-Dichloropropene	9.94	75	204597	53.844	ug/l	100
55) 1,1,2-Trichloroethane	10.65	97	97970	53.125	ug/l	95
56) Ethyl methacrylate	10.52	69	151051	54.193	ug/l	99
57) 1,3-Dichloropropane	10.80	76	174515	54.325	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.79	63	234914	243.563	ug/l	100
59) 2-Hexanone	10.84	43	366536	280.276	ug/l	99
60) Dibromochloromethane	10.99	129	111552	54.084	ug/l	99
61) 1,2-Dibromoethane	11.10	107	94640	54.286	ug/l	100
64) Tetrachloroethene	10.72	164	95643	51.886	ug/l	98
65) Chlorobenzene	11.52	112	324227	53.303	ug/l	100
66) 1,1,1,2-Tetrachloroethane	11.60	131	112158	54.030	ug/l	98
67) Ethyl Benzene	11.60	91	601570	53.665	ug/l	98
68) m/p-Xylenes	11.70	106	444065	106.065	ug/l	99
69) o-Xylene	12.03	106	215836	53.589	ug/l	99
70) Styrene	12.05	104	386391	54.678	ug/l	98
71) Bromoform	12.21	173	66506	53.671	ug/l #	100
73) Isopropylbenzene	12.33	105	572251	52.475	ug/l	100
74) N-amyl acetate	12.14	43	195666	54.814	ug/l	100
75) 1,1,2,2-Tetrachloroethane	12.59	83	127317	54.514	ug/l	99
76) 1,2,3-Trichloropropane	12.64	75	85401m	51.282	ug/l	
77) Bromobenzene	12.61	156	127833	52.924	ug/l	98
78) n-propylbenzene	12.67	91	701430	53.439	ug/l	99
79) 2-Chlorotoluene	12.76	91	397353	52.990	ug/l	100
80) 1,3,5-Trimethylbenzene	12.81	105	479906	52.721	ug/l	100
81) trans-1,4-Dichloro-2-buten	12.38	75	48006	54.552	ug/l	97
82) 4-Chlorotoluene	12.86	91	419133	52.328	ug/l	100
83) tert-Butylbenzene	13.08	119	412620	53.776	ug/l	99
84) 1,2,4-Trimethylbenzene	13.13	105	478263	52.333	ug/l	99
85) sec-Butylbenzene	13.26	105	582651	53.446	ug/l	99
86) p-Isopropyltoluene	13.38	119	504346	52.498	ug/l	99
87) 1,3-Dichlorobenzene	13.37	146	244708	52.605	ug/l	100
88) 1,4-Dichlorobenzene	13.45	146	247722	52.448	ug/l	99
89) n-Butylbenzene	13.70	91	517308	53.504	ug/l	99
90) Hexachloroethane	13.97	117	98862	54.289	ug/l	96
91) 1,2-Dichlorobenzene	13.75	146	227990	53.144	ug/l	100
92) 1,2-Dibromo-3-Chloropropan	14.36	75	21297	52.845	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	143380	49.796	ug/l	100
94) Hexachlorobutadiene	15.12	225	71497	50.997	ug/l	99
95) Naphthalene	15.25	128	350222	53.194	ug/l	99
96) 1,2,3-Trichlorobenzene	15.43	180	128169	50.744	ug/l	100

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

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