

Data Path : Z:\VOASRV\HPCHEM1\MSVOA Y\DATA\VY011520\
 Data File : VY001251.D
 Acq On : 16 Jan 2020 04:29
 Operator : SY/MD
 Sample : VSTDCCC050
 Misc : 5.00G/5ML/MSVOA Y/SOIL
 ALS Vial : 48 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 VSTDCCC050EC

Manual Integrations
 APPROVED

MMDadoda
 1/16/2020 9:37:05 AM

Quant Time: Jan 16 07:29:52 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	176191	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.70	114	324297	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.49	117	292696	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.42	152	141091	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.15	65	98117	52.73	ug/l	0.00
Spiked Amount	50.000		Recovery	=	105.46%	
35) Dibromofluoromethane	7.73	113	88978	46.86	ug/l	0.00
Spiked Amount	50.000		Recovery	=	93.72%	
50) Toluene-d8	10.18	98	368993	50.44	ug/l	0.00
Spiked Amount	50.000		Recovery	=	100.88%	
62) 4-Bromofluorobenzene	12.48	95	141874	47.43	ug/l	0.00
Spiked Amount	50.000		Recovery	=	94.86%	

Target Compounds

					Qvalue
2) Dichlorodifluoromethane	1.90	85	67748	50.067	ug/l 98
3) Chloromethane	2.12	50	104506	53.581	ug/l 100
4) Vinyl Chloride	2.26	62	109806	55.883	ug/l 99
5) Bromomethane	2.65	94	73847	69.966	ug/l 100
6) Chloroethane	2.80	64	71220	62.738	ug/l 99
7) Trichlorofluoromethane	3.13	101	131783	48.182	ug/l 97
8) Diethyl Ether	3.54	74	58518	55.061	ug/l 97
9) 1,1,2-Trichlorotrifluoroet	3.91	101	84753	48.141	ug/l 98
10) Methyl Iodide	4.10	142	124783	51.782	ug/l 100
11) Tert butyl alcohol	4.97	59	54191	289.435	ug/l 100
12) 1,1-Dichloroethene	3.88	96	89280	49.567	ug/l 100
13) Acrolein	3.74	56	41920	248.703	ug/l 98
14) Allyl chloride	4.49	41	159994	52.630	ug/l 99
15) Acrylonitrile	5.18	53	154910	291.447	ug/l 99
16) Acetone	3.96	43	116888	270.464	ug/l 97
17) Carbon Disulfide	4.20	76	294977	50.600	ug/l 98
18) Methyl Acetate	4.49	43	82268	57.575	ug/l 98
19) Methyl tert-butyl Ether	5.24	73	275911	55.379	ug/l 98
20) Methylene Chloride	4.73	84	116137	58.616	ug/l 96
21) trans-1,2-Dichloroethene	5.24	96	107719	52.743	ug/l 94
22) Diisopropyl ether	6.13	45	346113	55.743	ug/l 98
23) Vinyl Acetate	6.08	43	1127413	283.915	ug/l 99
24) 1,1-Dichloroethane	6.03	63	185425	54.550	ug/l 99
25) 2-Butanone	7.00	43	202992	301.794	ug/l 98
26) 2,2-Dichloropropane	6.99	77	140625	44.988	ug/l 99
27) cis-1,2-Dichloroethene	7.00	96	123952	55.388	ug/l 98
28) Bromochloromethane	7.35	49	91077	65.249	ug/l 99
29) Tetrahydrofuran	7.36	42	136705	296.575	ug/l 98
30) Chloroform	7.52	83	182195	54.703	ug/l 97
31) Cyclohexane	7.79	56	165527	45.992	ug/l 99
32) 1,1,1-Trichloroethane	7.71	97	152580	51.631	ug/l 100
36) 1,1-Dichloropropene	7.93	75	140500	47.534	ug/l 100
37) Ethyl Acetate	7.09	43	91789	52.915	ug/l 99
38) Carbon Tetrachloride	7.91	117	127402	47.032	ug/l 94

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.19	83	179214	44.723	ug/l	98
40) Benzene	8.17	78	445053	51.582	ug/l	100
41) Methacrylonitrile	7.34	41	58561m	71.868	ug/l	
42) 1,2-Dichloroethane	8.25	62	125634	52.002	ug/l	99
43) Isopropyl Acetate	8.28	43	179338	54.066	ug/l	98
44) Trichloroethene	8.94	130	111718	49.692	ug/l	100
45) 1,2-Dichloropropane	9.22	63	111799	52.413	ug/l	99
46) Dibromomethane	9.31	93	61480	52.826	ug/l	99
47) Bromodichloromethane	9.50	83	146010	51.478	ug/l	100
48) Methyl methacrylate	9.30	41	82588	53.804	ug/l	100
49) 1,4-Dioxane	9.30	88	16845	1188.506	ug/l	95
51) 4-Methyl-2-Pentanone	10.07	43	461838	274.398	ug/l	99
52) Toluene	10.25	92	279207	50.737	ug/l	100
53) t-1,3-Dichloropropene	10.47	75	159309	50.194	ug/l	100
54) cis-1,3-Dichloropropene	9.93	75	178124	49.777	ug/l	99
55) 1,1,2-Trichloroethane	10.64	97	90735	52.589	ug/l	98
56) Ethyl methacrylate	10.51	69	139085	52.699	ug/l	98
57) 1,3-Dichloropropane	10.79	76	158447	53.494	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.78	63	216944	233.713	ug/l	99
59) 2-Hexanone	10.83	43	332273	281.690	ug/l	98
60) Dibromochloromethane	10.99	129	102324	51.509	ug/l	99
61) 1,2-Dibromoethane	11.09	107	86701	51.464	ug/l	99
64) Tetrachloroethene	10.72	164	93887	49.760	ug/l	98
65) Chlorobenzene	11.52	112	293403	50.167	ug/l	98
66) 1,1,1,2-Tetrachloroethane	11.59	131	103965	51.577	ug/l	99
67) Ethyl Benzene	11.59	91	536259	50.123	ug/l	99
68) m/p-Xylenes	11.70	106	403041	99.864	ug/l	99
69) o-Xylene	12.03	106	195038	50.403	ug/l	99
70) Styrene	12.04	104	348219	51.288	ug/l	99
71) Bromoform	12.20	173	62628	50.380	ug/l #	98
73) Isopropylbenzene	12.33	105	514746	48.530	ug/l	100
74) N-amyl acetate	12.14	43	181431	54.810	ug/l	98
75) 1,1,2,2-Tetrachloroethane	12.58	83	115190	51.618	ug/l	99
76) 1,2,3-Trichloropropane	12.63	75	77906m	51.580	ug/l	
77) Bromobenzene	12.61	156	118386	50.512	ug/l	98
78) n-propylbenzene	12.67	91	619684	48.571	ug/l	99
79) 2-Chlorotoluene	12.75	91	361041	49.274	ug/l	100
80) 1,3,5-Trimethylbenzene	12.81	105	434715	49.120	ug/l	100
81) trans-1,4-Dichloro-2-buten	12.38	75	41496	46.589	ug/l #	99
82) 4-Chlorotoluene	12.85	91	383615	49.041	ug/l	99
83) tert-Butylbenzene	13.07	119	360946	48.537	ug/l	100
84) 1,2,4-Trimethylbenzene	13.12	105	443277	50.437	ug/l	100
85) sec-Butylbenzene	13.25	105	518343	48.452	ug/l	99
86) p-Isopropyltoluene	13.37	119	458413	49.353	ug/l	99
87) 1,3-Dichlorobenzene	13.36	146	226732	51.153	ug/l	99
88) 1,4-Dichlorobenzene	13.44	146	226708	49.696	ug/l	99
89) n-Butylbenzene	13.69	91	449585	48.057	ug/l	99
90) Hexachloroethane	13.95	117	90344	49.778	ug/l	98
91) 1,2-Dichlorobenzene	13.74	146	213678	51.871	ug/l	98
92) 1,2-Dibromo-3-Chloropropan	14.36	75	20311	50.456	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	136688	50.361	ug/l	98
94) Hexachlorobutadiene	15.11	225	63136	46.174	ug/l	95
95) Naphthalene	15.23	128	339375	53.710	ug/l	99
96) 1,2,3-Trichlorobenzene	15.42	180	123767	51.741	ug/l	100

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

