

Data Path : Z:\VOASRV\HPCHEM1\MSVOA Y\DATA\VY031620\
 Data File : VY001987.D
 Acq On : 16 Mar 2020 17:04
 Operator : SY/MD
 Sample : VSTDCCC050
 Misc : 5.00G/5ML/MSVOA Y/SOIL
 ALS Vial : 18 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 VSTDCCC050EC

Manual Integrations
 APPROVED

MMDadoda
 3/17/2020 12:06:24 PM

Quant Time: Mar 17 08:58:04 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_Y\METHODS\82Y030420S.M
 Quant Title : SW846 8260
 QLast Update : Thu Mar 05 04:05:33 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.82	168	156890	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.71	114	284485	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.50	117	257692	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.44	152	115623	50.00	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.16	65	86290	51.52	ug/l	0.00
Spiked Amount	50.000		Recovery	=	103.04%	
35) Dibromofluoromethane	7.75	113	81400	52.40	ug/l	0.00
Spiked Amount	50.000		Recovery	=	104.80%	
50) Toluene-d8	10.19	98	330919	50.52	ug/l	0.00
Spiked Amount	50.000		Recovery	=	101.04%	
62) 4-Bromofluorobenzene	12.49	95	115112	50.54	ug/l	0.00
Spiked Amount	50.000		Recovery	=	101.08%	

Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.91	85	62292	43.013	ug/l	100
3) Chloromethane	2.13	50	89929	46.058	ug/l	98
4) Vinyl Chloride	2.27	62	93594	47.126	ug/l	99
5) Bromomethane	2.67	94	63222	55.099	ug/l	96
6) Chloroethane	2.82	64	61126	48.996	ug/l	90
7) Trichlorofluoromethane	3.15	101	130146	48.319	ug/l	98
8) Diethyl Ether	3.56	74	54900	51.716	ug/l	100
9) 1,1,2-Trichlorotrifluoroet	3.93	101	86121	49.712	ug/l	99
10) Methyl Iodide	4.13	142	98471	49.152	ug/l	99
11) Tert butyl alcohol	4.99	59	52004	303.163	ug/l	100
12) 1,1-Dichloroethene	3.90	96	85898	49.244	ug/l	98
13) Acrolein	3.76	56	56043	238.112	ug/l	98
14) Allyl chloride	4.52	41	159435	51.557	ug/l	99
15) Acrylonitrile	5.21	53	152092	268.114	ug/l	99
16) Acetone	3.98	43	125397	257.049	ug/l	92
17) Carbon Disulfide	4.23	76	268786	45.838	ug/l	100
18) Methyl Acetate	4.52	43	67744	54.046	ug/l	99
19) Methyl tert-butyl Ether	5.26	73	251696	53.246	ug/l	97
20) Methylene Chloride	4.75	84	104774	50.113	ug/l	95
21) trans-1,2-Dichloroethene	5.25	96	98836	49.920	ug/l	96
22) Diisopropyl ether	6.16	45	334954	52.842	ug/l	95
23) Vinyl Acetate	6.10	43	1113023	267.842	ug/l	98
24) 1,1-Dichloroethane	6.05	63	176372	51.380	ug/l	97
25) 2-Butanone	7.02	43	197735	266.539	ug/l	99
26) 2,2-Dichloropropane	7.02	77	145010	51.469	ug/l	99
27) cis-1,2-Dichloroethene	7.02	96	112352	52.168	ug/l	99
28) Bromochloromethane	7.36	49	80554	52.063	ug/l	100
29) Tetrahydrofuran	7.38	42	132488	268.933	ug/l	99
30) Chloroform	7.53	83	168660	52.296	ug/l	99
31) Cyclohexane	7.81	56	174548	47.424	ug/l	99
32) 1,1,1-Trichloroethane	7.73	97	142112	52.281	ug/l	98
36) 1,1-Dichloropropene	7.94	75	138575	50.619	ug/l	99
37) Ethyl Acetate	7.11	43	87235	54.827	ug/l	99
38) Carbon Tetrachloride	7.92	117	120102	51.356	ug/l	97

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.20	83	180281	49.651	ug/l	98
40) Benzene	8.19	78	414900	51.132	ug/l	99
41) Methacrylonitrile	7.35	41	48307m	67.462	ug/l	
42) 1,2-Dichloroethane	8.26	62	110201	52.705	ug/l	100
43) Isopropyl Acetate	8.30	43	162301	53.878	ug/l	99
44) Trichloroethene	8.96	130	100295	50.752	ug/l	98
45) 1,2-Dichloropropane	9.24	63	108398	53.142	ug/l	99
46) Dibromomethane	9.32	93	54792	52.126	ug/l	99
47) Bromodichloromethane	9.52	83	132355	54.129	ug/l	100
48) Methyl methacrylate	9.31	41	73718	55.150	ug/l	97
49) 1,4-Dioxane	9.31	88	15105	1048.712	ug/l	92
51) 4-Methyl-2-Pentanone	10.08	43	433893	279.642	ug/l	100
52) Toluene	10.26	92	253598	51.447	ug/l	99
53) t-1,3-Dichloropropene	10.48	75	143047	53.697	ug/l	100
54) cis-1,3-Dichloropropene	9.94	75	167219	52.728	ug/l	98
55) 1,1,2-Trichloroethane	10.66	97	82116	53.379	ug/l	96
56) Ethyl methacrylate	10.52	69	122942	54.524	ug/l	99
57) 1,3-Dichloropropane	10.80	76	145059	52.900	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.80	63	201881	257.017	ug/l	99
59) 2-Hexanone	10.85	43	294184	265.638	ug/l	100
60) Dibromochloromethane	11.00	129	87053	53.703	ug/l	99
61) 1,2-Dibromoethane	11.10	107	77749	53.355	ug/l	99
64) Tetrachloroethene	10.73	164	81535	50.454	ug/l	95
65) Chlorobenzene	11.53	112	260127	50.661	ug/l	98
66) 1,1,1,2-Tetrachloroethane	11.60	131	88707	52.682	ug/l	99
67) Ethyl Benzene	11.61	91	489075	51.073	ug/l	98
68) m/p-Xylenes	11.72	106	359524	101.550	ug/l	100
69) o-Xylene	12.04	106	168916	50.621	ug/l	100
70) Styrene	12.05	104	296801	51.932	ug/l	100
71) Bromoform	12.22	173	50079	54.842	ug/l #	99
73) Isopropylbenzene	12.34	105	457678	51.854	ug/l	100
74) N-amyl acetate	12.16	43	141596	52.197	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.59	83	103173	54.205	ug/l	99
76) 1,2,3-Trichloropropane	12.64	75	72095m	52.550	ug/l	
77) Bromobenzene	12.62	156	98461	52.652	ug/l	98
78) n-propylbenzene	12.68	91	557600	51.207	ug/l	100
79) 2-Chlorotoluene	12.77	91	310445	51.603	ug/l	100
80) 1,3,5-Trimethylbenzene	12.82	105	373538	51.407	ug/l	100
81) trans-1,4-Dichloro-2-buten	12.39	75	37604	55.365	ug/l	97
82) 4-Chlorotoluene	12.86	91	321325	51.298	ug/l	100
83) tert-Butylbenzene	13.09	119	317921	52.678	ug/l	98
84) 1,2,4-Trimethylbenzene	13.13	105	371392	51.503	ug/l	99
85) sec-Butylbenzene	13.27	105	458247	51.513	ug/l	100
86) p-Isopropyltoluene	13.38	119	391155	50.973	ug/l	100
87) 1,3-Dichlorobenzene	13.38	146	186692	50.946	ug/l	99
88) 1,4-Dichlorobenzene	13.46	146	184652	49.670	ug/l	98
89) n-Butylbenzene	13.71	91	393916	49.478	ug/l	99
90) Hexachloroethane	13.97	117	74977	51.792	ug/l	100
91) 1,2-Dichlorobenzene	13.75	146	169552	50.930	ug/l	100
92) 1,2-Dibromo-3-Chloropropan	14.37	75	14793	49.806	ug/l	99

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.02	180	101275	46.908	ug/l	97
94) Hexachlorobutadiene	15.12	225	51274	48.712	ug/l	98
95) Naphthalene	15.25	128	248346	48.495	ug/l	100
96) 1,2,3-Trichlorobenzene	15.44	180	90009	47.325	ug/l	100

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

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