

Data Path : Z:\VOASRV\HPCHEM1\MSVOA Y\DATA\VY022120\
 Data File : VY001732.D
 Acq On : 21 Feb 2020 10:52
 Operator : SY/MD
 Sample : VSTDCCC050
 Misc : 5.00G/5ML/MSVOA Y/SOIL
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 VSTDCCC050

Manual Integrations
 APPROVED

MMDadoda
 2/24/2020 11:09:35 AM

Quant Time: Feb 22 03:52:33 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_Y\METHODS\82Y021720S.M
 Quant Title : SW846 8260
 QLast Update : Mon Feb 17 12:19:53 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.83	168	201004	50.00	ug/l	0.01
34) 1,4-Difluorobenzene	8.72	114	356393	50.00	ug/l	0.01
63) Chlorobenzene-d5	11.51	117	316024	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.45	152	146610	50.00	ug/l	0.01

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.17	65	100140	46.32	ug/l	0.00
Spiked Amount	50.000		Recovery	=	92.64%	
35) Dibromofluoromethane	7.75	113	93586	45.85	ug/l	0.00
Spiked Amount	50.000		Recovery	=	91.70%	
50) Toluene-d8	10.20	98	394166	49.29	ug/l	0.01
Spiked Amount	50.000		Recovery	=	98.58%	
62) 4-Bromofluorobenzene	12.50	95	141652	45.59	ug/l	0.01
Spiked Amount	50.000		Recovery	=	91.18%	

Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.92	85	106589	54.401	ug/l	100
3) Chloromethane	2.13	50	132636	50.329	ug/l	100
4) Vinyl Chloride	2.27	62	136878	51.494	ug/l	100
5) Bromomethane	2.68	94	84675	50.969	ug/l	98
6) Chloroethane	2.82	64	84224	51.419	ug/l	97
7) Trichlorofluoromethane	3.16	101	178668	52.518	ug/l	99
8) Diethyl Ether	3.56	74	67179	50.091	ug/l	99
9) 1,1,2-Trichlorotrifluoroet	3.94	101	111825	52.296	ug/l	99
10) Methyl Iodide	4.13	142	136904	52.313	ug/l	99
11) Tert butyl alcohol	5.00	59	56080	220.953	ug/l	100
12) 1,1-Dichloroethene	3.91	96	112676	51.664	ug/l	98
13) Acrolein	3.77	56	57586	263.720	ug/l	99
14) Allyl chloride	4.52	41	202886	52.271	ug/l	98
15) Acrylonitrile	5.21	53	171368	249.285	ug/l	100
16) Acetone	3.99	43	195291	261.047	ug/l	97
17) Carbon Disulfide	4.24	76	366286	50.306	ug/l	99
18) Methyl Acetate	4.52	43	78739	48.330	ug/l	99
19) Methyl tert-butyl Ether	5.27	73	303023	49.904	ug/l	98
20) Methylene Chloride	4.76	84	125181	47.109	ug/l	98
21) trans-1,2-Dichloroethene	5.27	96	124637	50.089	ug/l	95
22) Diisopropyl ether	6.16	45	407197	51.085	ug/l	98
23) Vinyl Acetate	6.11	43	1323806	254.607	ug/l	100
24) 1,1-Dichloroethane	6.07	63	220072	51.657	ug/l	100
25) 2-Butanone	7.03	43	258437	254.298	ug/l	99
26) 2,2-Dichloropropane	7.02	77	191202	51.585	ug/l	98
27) cis-1,2-Dichloroethene	7.03	96	138902	50.572	ug/l	99
28) Bromochloromethane	7.38	49	96339	54.285	ug/l	98
29) Tetrahydrofuran	7.39	42	150577	245.137	ug/l	99
30) Chloroform	7.55	83	210943	50.674	ug/l	100
31) Cyclohexane	7.82	56	226482	49.860	ug/l	97
32) 1,1,1-Trichloroethane	7.74	97	181826	51.970	ug/l	100
36) 1,1-Dichloropropene	7.96	75	175699	51.612	ug/l	99
37) Ethyl Acetate	7.12	43	100524	49.475	ug/l	99
38) Carbon Tetrachloride	7.94	117	155456	51.990	ug/l	98

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.21	83	232051	51.381	ug/l	99
40) Benzene	8.19	78	520069	51.944	ug/l	99
41) Methacrylonitrile	7.36	41	56815m	55.690	ug/l	
42) 1,2-Dichloroethane	8.27	62	137437	50.388	ug/l	99
43) Isopropyl Acetate	8.30	43	194822	50.536	ug/l	99
44) Trichloroethene	8.97	130	128425	51.384	ug/l	99
45) 1,2-Dichloropropane	9.25	63	132923	53.012	ug/l	100
46) Dibromomethane	9.33	93	66636	50.810	ug/l	100
47) Bromodichloromethane	9.52	83	163320	51.598	ug/l	98
48) Methyl methacrylate	9.32	41	90430	51.867	ug/l	98
49) 1,4-Dioxane	9.33	88	16179	873.443	ug/l	98
51) 4-Methyl-2-Pentanone	10.10	43	494304	249.558	ug/l	99
52) Toluene	10.27	92	321114	51.417	ug/l	100
53) t-1,3-Dichloropropene	10.49	75	181380	51.835	ug/l	98
54) cis-1,3-Dichloropropene	9.96	75	210788	52.340	ug/l	99
55) 1,1,2-Trichloroethane	10.67	97	97924	50.638	ug/l	99
56) Ethyl methacrylate	10.53	69	149807	51.638	ug/l	99
57) 1,3-Dichloropropane	10.81	76	174647	50.828	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.81	63	273961	251.195	ug/l	99
59) 2-Hexanone	10.86	43	380659	256.135	ug/l	99
60) Dibromochloromethane	11.01	129	108255	50.775	ug/l	100
61) 1,2-Dibromoethane	11.11	107	93083	50.907	ug/l	98
64) Tetrachloroethene	10.74	164	100439	50.628	ug/l	99
65) Chlorobenzene	11.54	112	324894	51.494	ug/l	100
66) 1,1,1,2-Tetrachloroethane	11.61	131	111115	52.207	ug/l	99
67) Ethyl Benzene	11.61	91	612667	52.326	ug/l	99
68) m/p-Xylenes	11.72	106	458782	104.895	ug/l	99
69) o-Xylene	12.05	106	214185	51.510	ug/l	99
70) Styrene	12.06	104	374207	51.783	ug/l	99
71) Bromoform	12.23	173	60987	50.141	ug/l #	99
73) Isopropylbenzene	12.35	105	578022	51.752	ug/l	100
74) N-amyl acetate	12.16	43	177095	49.683	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.60	83	123184	51.653	ug/l	98
76) 1,2,3-Trichloropropane	12.66	75	91855m	54.617	ug/l	
77) Bromobenzene	12.63	156	122391	50.549	ug/l	99
78) n-propylbenzene	12.69	91	716763	52.692	ug/l	100
79) 2-Chlorotoluene	12.78	91	394829	51.751	ug/l	99
80) 1,3,5-Trimethylbenzene	12.83	105	480858	52.010	ug/l	99
81) trans-1,4-Dichloro-2-buten	12.40	75	45273	51.070	ug/l	97
82) 4-Chlorotoluene	12.88	91	416594	51.772	ug/l	100
83) tert-Butylbenzene	13.09	119	397329	51.383	ug/l	100
84) 1,2,4-Trimethylbenzene	13.14	105	471980	51.205	ug/l	99
85) sec-Butylbenzene	13.27	105	589710	51.853	ug/l	99
86) p-Isopropyltoluene	13.39	119	504286	51.042	ug/l	99
87) 1,3-Dichlorobenzene	13.39	146	234164	49.867	ug/l	100
88) 1,4-Dichlorobenzene	13.47	146	238270	50.198	ug/l	100
89) n-Butylbenzene	13.72	91	519406	51.450	ug/l	99
90) Hexachloroethane	13.98	117	95973	51.558	ug/l	100
91) 1,2-Dichlorobenzene	13.76	146	216496	49.959	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.37	75	18880	47.970	ug/l	100

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.03	180	133767	46.581	ug/l	99
94) Hexachlorobutadiene	15.13	225	65393	45.788	ug/l	98
95) Naphthalene	15.26	128	315782	47.691	ug/l	100
96) 1,2,3-Trichlorobenzene	15.45	180	117133	46.363	ug/l	99

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

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