

Data Path : Z:\VOASRV\HPCHEM1\MSVOA Y\DATA\VY050820\
 Data File : VY002633.D
 Acq On : 08 May 2020 10:37
 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
 5/11/2020 1:00:48 PM

Quant Time: May 09 04:00:38 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_Y\METHODS\82Y043020S.M
 Quant Title : SW846 8260
 QLast Update : Mon May 04 12:22:08 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.81	168	362549	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.71	114	536417	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.50	117	476908	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.44	152	240462	50.00	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.16	65	156215	51.25	ug/l	0.00
Spiked Amount	50.000		Recovery	=	102.50%	
35) Dibromofluoromethane	7.74	113	167626	54.64	ug/l	0.00
Spiked Amount	50.000		Recovery	=	109.28%	
50) Toluene-d8	10.19	98	657806	54.91	ug/l	0.00
Spiked Amount	50.000		Recovery	=	109.82%	
62) 4-Bromofluorobenzene	12.49	95	217939	53.61	ug/l	0.00
Spiked Amount	50.000		Recovery	=	107.22%	

Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.91	85	156734	52.236	ug/l	99
3) Chloromethane	2.13	50	166098	56.548	ug/l	99
4) Vinyl Chloride	2.26	62	191392	56.429	ug/l	100
5) Bromomethane	2.66	94	122536	52.389	ug/l	98
6) Chloroethane	2.81	64	108996	53.820	ug/l	97
7) Trichlorofluoromethane	3.14	101	271950	51.735	ug/l	98
8) Diethyl Ether	3.55	74	91702	51.912	ug/l	98
9) 1,1,2-Trichlorotrifluoroet	3.92	101	168932	52.583	ug/l	99
10) Methyl Iodide	4.11	142	232138	53.036	ug/l	99
11) Tert butyl alcohol	4.98	59	68461	218.289	ug/l	99
12) 1,1-Dichloroethene	3.90	96	167599	53.700	ug/l	97
13) Acrolein	3.75	56	45671	210.588	ug/l	96
14) Allyl chloride	4.50	41	245633	54.017	ug/l	97
15) Acrylonitrile	5.19	53	206517	247.907	ug/l	99
16) Acetone	3.97	43	152305	242.093	ug/l	97
17) Carbon Disulfide	4.22	76	505568	53.845	ug/l	99
18) Methyl Acetate	4.50	43	99180	47.183	ug/l	100
19) Methyl tert-butyl Ether	5.25	73	412384	50.645	ug/l	97
20) Methylene Chloride	4.74	84	174783	49.681	ug/l	96
21) trans-1,2-Dichloroethene	5.25	96	181268	53.139	ug/l	99
22) Diisopropyl ether	6.14	45	488614	53.104	ug/l	95
23) Vinyl Acetate	6.08	43	1493231	258.055	ug/l	99
24) 1,1-Dichloroethane	6.05	63	286969	52.720	ug/l	99
25) 2-Butanone	7.01	43	243284	236.237	ug/l	95
26) 2,2-Dichloropropane	7.00	77	263983	51.021	ug/l	99
27) cis-1,2-Dichloroethene	7.01	96	200113	53.018	ug/l	98
28) Bromochloromethane	7.36	49	125725	56.373	ug/l	100
29) Tetrahydrofuran	7.37	42	168661	247.539	ug/l	99
30) Chloroform	7.53	83	294698	52.069	ug/l	98
31) Cyclohexane	7.80	56	279350	50.985	ug/l	98
32) 1,1,1-Trichloroethane	7.72	97	272763	51.850	ug/l	99
36) 1,1-Dichloropropene	7.94	75	238285	52.989	ug/l	99
37) Ethyl Acetate	7.10	43	114365	49.491	ug/l	99
38) Carbon Tetrachloride	7.92	117	256101	52.165	ug/l	99

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.20	83	311892	52.512	ug/l	99
40) Benzene	8.18	78	689933	53.122	ug/l	100
41) Methacrylonitrile	7.34	41	63279m	50.931	ug/l	
42) 1,2-Dichloroethane	8.26	62	178699	49.052	ug/l	98
43) Isopropyl Acetate	8.29	43	216048	49.871	ug/l	99
44) Trichloroethene	8.96	130	217604	53.612	ug/l	96
45) 1,2-Dichloropropane	9.23	63	164147	52.367	ug/l	99
46) Dibromomethane	9.32	93	90507	50.184	ug/l	100
47) Bromodichloromethane	9.51	83	225989	51.534	ug/l	98
48) Methyl methacrylate	9.31	41	101407	51.723	ug/l	98
49) 1,4-Dioxane	9.31	88	23595	988.113	ug/l	97
51) 4-Methyl-2-Pentanone	10.08	43	556089	249.039	ug/l	100
52) Toluene	10.26	92	439092	52.605	ug/l	100
53) t-1,3-Dichloropropene	10.48	75	234290	50.992	ug/l	98
54) cis-1,3-Dichloropropene	9.94	75	276593	52.073	ug/l	99
55) 1,1,2-Trichloroethane	10.66	97	134242	51.043	ug/l	99
56) Ethyl methacrylate	10.52	69	180411	51.565	ug/l	96
57) 1,3-Dichloropropane	10.80	76	225616	50.586	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.80	63	469947	254.706	ug/l	99
59) 2-Hexanone	10.85	43	381344	248.131	ug/l	99
60) Dibromochloromethane	11.00	129	171652	51.316	ug/l	98
61) 1,2-Dibromoethane	11.10	107	129822	49.852	ug/l	100
64) Tetrachloroethene	10.73	164	235500	55.578	ug/l	99
65) Chlorobenzene	11.53	112	476527	52.562	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.60	131	176259	52.375	ug/l	99
67) Ethyl Benzene	11.60	91	846786	53.173	ug/l	99
68) m/p-Xylenes	11.71	106	654029	106.143	ug/l	99
69) o-Xylene	12.04	106	308368	53.449	ug/l	98
70) Styrene	12.06	104	532176	53.957	ug/l	98
71) Bromoform	12.22	173	106421	50.949	ug/l	99
73) Isopropylbenzene	12.34	105	843667	54.136	ug/l	100
74) N-amyl acetate	12.16	43	195769	52.221	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.59	83	119283	48.128	ug/l	99
76) 1,2,3-Trichloropropane	12.64	75	105947m	49.580	ug/l	
77) Bromobenzene	12.62	156	203302	52.215	ug/l	100
78) n-propylbenzene	12.68	91	975748	53.953	ug/l	100
79) 2-Chlorotoluene	12.77	91	535310	53.435	ug/l	100
80) 1,3,5-Trimethylbenzene	12.83	105	695102	53.808	ug/l	100
81) trans-1,4-Dichloro-2-buten	12.39	75	55392	51.978	ug/l #	72
82) 4-Chlorotoluene	12.86	91	555006	52.742	ug/l	99
83) tert-Butylbenzene	13.09	119	614745	54.273	ug/l	100
84) 1,2,4-Trimethylbenzene	13.13	105	687457	53.397	ug/l	100
85) sec-Butylbenzene	13.27	105	846753	53.873	ug/l	99
86) p-Isopropyltoluene	13.38	119	790813	53.698	ug/l	100
87) 1,3-Dichlorobenzene	13.38	146	386654	52.469	ug/l	99
88) 1,4-Dichlorobenzene	13.45	146	381237	52.246	ug/l	99
89) n-Butylbenzene	13.70	91	717286	53.501	ug/l	100
90) Hexachloroethane	13.97	117	145266	54.164	ug/l	98
91) 1,2-Dichlorobenzene	13.75	146	341055	51.867	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.37	75	21533	46.608	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	238925	50.047	ug/l	99
94) Hexachlorobutadiene	15.12	225	147807	51.580	ug/l	99
95) Naphthalene	15.25	128	416546	47.830	ug/l	99
96) 1,2,3-Trichlorobenzene	15.44	180	196870	48.577	ug/l	100

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

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