

Data Path : Z:\VOASRV\HPCHEM1\MSVOA Y\DATA\VY012020\
 Data File : VY001317.D
 Acq On : 20 Jan 2020 23:17
 Operator : SY/MD
 Sample : VSTDCCC050
 Misc : 5.00G/5ML/MSVOA Y/SOIL
 ALS Vial : 29 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 VSTDCCC050EC

Manual Integrations
 APPROVED

MMDadoda
 1/21/2020 10:59:42 AM

Quant Time: Jan 21 08:28:51 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_Y\METHODS\82Y011020S.M
 Quant Title : SW846 8260
 QLast Update : Tue Jan 21 06:54:04 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.83	168	177409	50.00	ug/l	0.01
34) 1,4-Difluorobenzene	8.73	114	321850	50.00	ug/l	0.01
63) Chlorobenzene-d5	11.52	117	285074	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.44	152	132690	50.00	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.18	65	98175	52.39	ug/l	0.00
Spiked Amount	50.000		Recovery	=	104.78%	
35) Dibromofluoromethane	7.77	113	89860	47.69	ug/l	0.01
Spiked Amount	50.000		Recovery	=	95.38%	
50) Toluene-d8	10.21	98	356288	49.07	ug/l	0.00
Spiked Amount	50.000		Recovery	=	98.14%	
62) 4-Bromofluorobenzene	12.50	95	131991	44.46	ug/l	0.00
Spiked Amount	50.000		Recovery	=	88.92%	

Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.92	85	52679	38.664	ug/l	99
3) Chloromethane	2.13	50	82001	41.754	ug/l	99
4) Vinyl Chloride	2.27	62	88156	44.556	ug/l	98
5) Bromomethane	2.68	94	63301	59.563	ug/l	98
6) Chloroethane	2.82	64	58939	51.563	ug/l	98
7) Trichlorofluoromethane	3.16	101	118571	43.054	ug/l	99
8) Diethyl Ether	3.57	74	52837	49.375	ug/l	96
9) 1,1,2-Trichlorotrifluoroet	3.94	101	75572	42.631	ug/l	99
10) Methyl Iodide	4.14	142	97305	40.102	ug/l	99
11) Tert butyl alcohol	5.01	59	56117	297.664	ug/l	99
12) 1,1-Dichloroethene	3.91	96	78278	43.161	ug/l	98
13) Acrolein	3.77	56	52916	311.785	ug/l	98
14) Allyl chloride	4.54	41	139723	45.647	ug/l	99
15) Acrylonitrile	5.22	53	140522	262.562	ug/l	99
16) Acetone	3.99	43	113089	259.877	ug/l	100
17) Carbon Disulfide	4.24	76	224166	38.189	ug/l	99
18) Methyl Acetate	4.53	43	72846	50.631	ug/l	97
19) Methyl tert-butyl Ether	5.28	73	255994	51.028	ug/l	98
20) Methylene Chloride	4.77	84	108658	54.025	ug/l	94
21) trans-1,2-Dichloroethene	5.28	96	93336	45.387	ug/l	97
22) Diisopropyl ether	6.18	45	318725	50.980	ug/l	97
23) Vinyl Acetate	6.11	43	1039231	259.911	ug/l	99
24) 1,1-Dichloroethane	6.08	63	168470	49.221	ug/l	99
25) 2-Butanone	7.04	43	189630	279.993	ug/l	100
26) 2,2-Dichloropropane	7.04	77	134493	42.731	ug/l	100
27) cis-1,2-Dichloroethene	7.04	96	111022	49.269	ug/l	98
28) Bromochloromethane	7.38	49	86297	61.400	ug/l	98
29) Tetrahydrofuran	7.39	42	124453	268.141	ug/l	96
30) Chloroform	7.55	83	166361	49.606	ug/l	99
31) Cyclohexane	7.83	56	144668	39.920	ug/l	99
32) 1,1,1-Trichloroethane	7.75	97	137497	46.208	ug/l	99
36) 1,1-Dichloropropene	7.96	75	123988	42.267	ug/l	99
37) Ethyl Acetate	7.13	43	82007	47.635	ug/l	98
38) Carbon Tetrachloride	7.94	117	116942	43.499	ug/l	95

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.22	83	156050	39.238	ug/l	97
40) Benzene	8.21	78	393458	45.949	ug/l	99
41) Methacrylonitrile	7.36	41	44652m	55.215	ug/l	
42) 1,2-Dichloroethane	8.28	62	113861	47.487	ug/l	99
43) Isopropyl Acetate	8.31	43	163010	49.517	ug/l	98
44) Trichloroethene	8.97	130	99817	44.736	ug/l	100
45) 1,2-Dichloropropane	9.25	63	103590	48.934	ug/l	97
46) Dibromomethane	9.34	93	55334	47.907	ug/l	98
47) Bromodichloromethane	9.53	83	134210	47.678	ug/l	100
48) Methyl methacrylate	9.32	41	73324	48.132	ug/l	98
49) 1,4-Dioxane	9.33	88	15895	1130.005	ug/l	95
51) 4-Methyl-2-Pentanone	10.10	43	420068	251.478	ug/l	99
52) Toluene	10.27	92	246796	45.188	ug/l	99
53) t-1,3-Dichloropropene	10.49	75	145117	46.070	ug/l	98
54) cis-1,3-Dichloropropene	9.96	75	164621	46.354	ug/l	98
55) 1,1,2-Trichloroethane	10.67	97	82137	47.968	ug/l	98
56) Ethyl methacrylate	10.53	69	125765	48.014	ug/l	97
57) 1,3-Dichloropropane	10.81	76	143941	48.966	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.81	63	209664	227.588	ug/l	99
59) 2-Hexanone	10.86	43	295313	252.260	ug/l	98
60) Dibromochloromethane	11.01	129	92795	47.067	ug/l	99
61) 1,2-Dibromoethane	11.11	107	78070	46.693	ug/l	99
64) Tetrachloroethene	10.74	164	77187	42.003	ug/l	99
65) Chlorobenzene	11.54	112	260522	45.736	ug/l	98
66) 1,1,1,2-Tetrachloroethane	11.61	131	93518	47.634	ug/l	99
67) Ethyl Benzene	11.61	91	476833	45.760	ug/l	100
68) m/p-Xylenes	11.72	106	359027	91.336	ug/l	99
69) o-Xylene	12.05	106	171713	45.562	ug/l	99
70) Styrene	12.06	104	308148	46.599	ug/l	98
71) Bromoform	12.23	173	56261	46.469	ug/l #	99
73) Isopropylbenzene	12.35	105	458733	45.987	ug/l	100
74) N-amyl acetate	12.16	43	186763	59.993	ug/l	91
75) 1,1,2,2-Tetrachloroethane	12.60	83	105479	50.259	ug/l	98
76) 1,2,3-Trichloropropane	12.65	75	75146m	52.903	ug/l	
77) Bromobenzene	12.63	156	103544	46.976	ug/l	98
78) n-propylbenzene	12.69	91	548964	45.752	ug/l	100
79) 2-Chlorotoluene	12.78	91	318858	46.272	ug/l	99
80) 1,3,5-Trimethylbenzene	12.83	105	387035	46.501	ug/l	100
81) trans-1,4-Dichloro-2-buten	12.40	75	36988	44.157	ug/l #	99
82) 4-Chlorotoluene	12.88	91	334185	45.427	ug/l	98
83) tert-Butylbenzene	13.09	119	329819	47.160	ug/l	99
84) 1,2,4-Trimethylbenzene	13.14	105	386718	46.787	ug/l	99
85) sec-Butylbenzene	13.27	105	463787	46.097	ug/l	100
86) p-Isopropyltoluene	13.39	119	406451	46.529	ug/l	99
87) 1,3-Dichlorobenzene	13.38	146	201301	48.291	ug/l	99
88) 1,4-Dichlorobenzene	13.47	146	200021	46.622	ug/l	99
89) n-Butylbenzene	13.71	91	396557	45.073	ug/l	99
90) Hexachloroethane	13.98	117	78908	46.230	ug/l	98
91) 1,2-Dichlorobenzene	13.76	146	184451	47.611	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.38	75	17187	45.398	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	116547	45.659	ug/l	99
94) Hexachlorobutadiene	15.13	225	55828	43.415	ug/l	97
95) Naphthalene	15.25	128	281137	47.310	ug/l	99
96) 1,2,3-Trichlorobenzene	15.44	180	104798	46.585	ug/l	99

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

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