

Data Path : Z:\VOASRV\HPCHEM1\MSVOA Y\DATA\VY041420\
 Data File : VY002323.D
 Acq On : 14 Apr 2020 20:38
 Operator : SY/MD
 Sample : VSTDCCC050
 Misc : 5.00G/5ML/MSVOA Y/SOIL
 ALS Vial : 26 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 VSTDCCC050EC

Manual Integrations
 APPROVED

MMDadoda
 4/15/2020 9:38:34 AM

Quant Time: Apr 15 06:54:12 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_Y\METHODS\82Y040820S.M
 Quant Title : SW846 8260
 QLast Update : Wed Apr 08 15:15:02 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.82	168	142487	50.00	ug/l	0.01
34) 1,4-Difluorobenzene	8.71	114	266713	50.00	ug/l	0.01
63) Chlorobenzene-d5	11.50	117	238701	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.43	152	104735	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	8.16	65	77363	48.82	ug/l	0.00
Spiked Amount				50.000		
			Recovery	=	97.64%	
35) Dibromofluoromethane	7.74	113	81977	51.65	ug/l	0.00
Spiked Amount				50.000		
			Recovery	=	103.30%	
50) Toluene-d8	10.19	98	334840	50.41	ug/l	0.00
Spiked Amount				50.000		
			Recovery	=	100.82%	
62) 4-Bromofluorobenzene	12.49	95	107342	48.98	ug/l	0.00
Spiked Amount				50.000		
			Recovery	=	97.96%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	1.91	85	73355	50.939	ug/l	96
3) Chloromethane	2.13	50	94350	52.058	ug/l	98
4) Vinyl Chloride	2.26	62	98698	51.163	ug/l	99
5) Bromomethane	2.66	94	65591	55.060	ug/l	99
6) Chloroethane	2.81	64	59221	53.231	ug/l	100
7) Trichlorofluoromethane	3.15	101	127756	51.281	ug/l	100
8) Diethyl Ether	3.55	74	60264	56.901	ug/l	95
9) 1,1,2-Trichlorotrifluoroet	3.92	101	89321	52.781	ug/l	98
10) Methyl Iodide	4.11	142	104291	53.018	ug/l	98
11) Tert butyl alcohol	4.99	59	46128	276.877	ug/l	99
12) 1,1-Dichloroethene	3.90	96	92764	53.917	ug/l	95
13) Acrolein	3.76	56	46154	225.904	ug/l	100
14) Allyl chloride	4.51	41	143651	51.705	ug/l	97
15) Acrylonitrile	5.20	53	146529	270.547	ug/l	99
16) Acetone	3.97	43	92443	221.503	ug/l	96
17) Carbon Disulfide	4.22	76	302795	52.993	ug/l	99
18) Methyl Acetate	4.51	43	68184	52.671	ug/l	97
19) Methyl tert-butyl Ether	5.25	73	250552	55.394	ug/l	95
20) Methylene Chloride	4.75	84	111640	54.424	ug/l	96
21) trans-1,2-Dichloroethene	5.25	96	104433	54.078	ug/l	94
22) Diisopropyl ether	6.15	45	301246	53.879	ug/l	96
23) Vinyl Acetate	6.10	43	945564	265.381	ug/l	98
24) 1,1-Dichloroethane	6.05	63	175522	55.192	ug/l	99
25) 2-Butanone	7.02	43	163251	247.174	ug/l	96
26) 2,2-Dichloropropane	7.01	77	127664	47.989	ug/l	98
27) cis-1,2-Dichloroethene	7.02	96	117975	56.042	ug/l	95
28) Bromochloromethane	7.36	49	66843	48.690	ug/l	96
29) Tetrahydrofuran	7.38	42	110949	254.129	ug/l	95
30) Chloroform	7.54	83	166166	55.429	ug/l	98
31) Cyclohexane	7.81	56	165904	49.698	ug/l	95
32) 1,1,1-Trichloroethane	7.73	97	133344	53.440	ug/l	99
36) 1,1-Dichloropropene	7.94	75	134514	51.203	ug/l	99
37) Ethyl Acetate	7.10	43	74186	49.431	ug/l	98
38) Carbon Tetrachloride	7.93	117	112224	49.941	ug/l	98

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.20	83	182167	50.975	ug/l	94
40) Benzene	8.18	78	425353	53.366	ug/l	100
41) Methacrylonitrile	7.35	41	42840m	48.388	ug/l	
42) 1,2-Dichloroethane	8.26	62	99555	50.422	ug/l	98
43) Isopropyl Acetate	8.30	43	135945	49.667	ug/l	97
44) Trichloroethene	8.96	130	122099	52.104	ug/l	94
45) 1,2-Dichloropropane	9.23	63	105814	53.505	ug/l	99
46) Dibromomethane	9.32	93	56257	54.406	ug/l	99
47) Bromodichloromethane	9.51	83	128178	54.024	ug/l	98
48) Methyl methacrylate	9.31	41	59498	48.478	ug/l	92
49) 1,4-Dioxane	9.32	88	16061	1098.048	ug/l	90
51) 4-Methyl-2-Pentanone	10.08	43	364189	255.344	ug/l	98
52) Toluene	10.25	92	257405	53.587	ug/l	99
53) t-1,3-Dichloropropene	10.47	75	136948	52.977	ug/l	99
54) cis-1,3-Dichloropropene	9.94	75	165009	53.094	ug/l	97
55) 1,1,2-Trichloroethane	10.66	97	82920	54.774	ug/l	98
56) Ethyl methacrylate	10.52	69	116420	53.882	ug/l	93
57) 1,3-Dichloropropane	10.80	76	141499	53.177	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.80	63	282808	252.758	ug/l	100
59) 2-Hexanone	10.84	43	239236	241.684	ug/l	96
60) Dibromochloromethane	10.99	129	88241	54.664	ug/l	99
61) 1,2-Dibromoethane	11.10	107	77638	53.870	ug/l	100
64) Tetrachloroethene	10.73	164	126669	52.487	ug/l	98
65) Chlorobenzene	11.52	112	264320	53.270	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.60	131	89065	54.367	ug/l	97
67) Ethyl Benzene	11.60	91	481827	53.043	ug/l	99
68) m/p-Xylenes	11.71	106	360901	106.078	ug/l	97
69) o-Xylene	12.03	106	170964	53.524	ug/l	97
70) Styrene	12.05	104	299101	53.973	ug/l	98
71) Bromoform	12.21	173	48899	54.888	ug/l	# 98
73) Isopropylbenzene	12.33	105	447141	54.343	ug/l	99
74) N-amyl acetate	12.15	43	117110	50.140	ug/l	97
75) 1,1,2,2-Tetrachloroethane	12.59	83	57669	57.930	ug/l	99
76) 1,2,3-Trichloropropane	12.64	75	61970m	50.954	ug/l	
77) Bromobenzene	12.61	156	98340	54.324	ug/l	98
78) n-propylbenzene	12.67	91	537966	52.570	ug/l	98
79) 2-Chlorotoluene	12.76	91	296932	53.393	ug/l	98
80) 1,3,5-Trimethylbenzene	12.81	105	363045	53.351	ug/l	99
81) trans-1,4-Dichloro-2-buten	12.38	75	32072	51.290	ug/l	96
82) 4-Chlorotoluene	12.86	91	303409	52.053	ug/l	98
83) tert-Butylbenzene	13.08	119	308076	54.049	ug/l	99
84) 1,2,4-Trimethylbenzene	13.13	105	360845	53.103	ug/l	99
85) sec-Butylbenzene	13.25	105	445909	52.515	ug/l	100
86) p-Isopropyltoluene	13.38	119	382434	52.331	ug/l	99
87) 1,3-Dichlorobenzene	13.37	146	188262	53.662	ug/l	98
88) 1,4-Dichlorobenzene	13.45	146	186001	52.230	ug/l	100
89) n-Butylbenzene	13.70	91	378933	50.586	ug/l	99
90) Hexachloroethane	13.97	117	73768	52.972	ug/l	99
91) 1,2-Dichlorobenzene	13.74	146	171967	53.944	ug/l	98
92) 1,2-Dibromo-3-Chloropropan	14.36	75	11751	48.807	ug/l	94

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.02	180	100221	48.098	ug/l	99
94) Hexachlorobutadiene	15.12	225	51430	49.005	ug/l	98
95) Naphthalene	15.24	128	231759	50.798	ug/l	100
96) 1,2,3-Trichlorobenzene	15.43	180	87774	48.512	ug/l	99

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

