

Data Path : Z:\VOASRV\HPCHEM1\MSVOA Y\DATA\VY040820\
 Data File : VY002249.D
 Acq On : 08 Apr 2020 13:59
 Operator : SY/MD
 Sample : VSTDICCC050
 Misc : 5.00G/5ML/MSVOA Y/SOIL
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 VSTDICCC050

Manual Integrations
 APPROVED

MMDadoda
 4/9/2020 11:32:01 AM

Quant Time: Apr 08 14:57:02 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_Y\METHODS\82Y040820S.M
 Quant Title : SW846 8260
 QLast Update : Wed Apr 08 14:44:38 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.80	168	162770	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.70	114	297521	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.49	117	267194	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.43	152	120595	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.16	65	88054	48.65	ug/l	0.00
Spiked Amount	50.000		Recovery	=	97.30%	
35) Dibromofluoromethane	7.74	113	87395	49.37	ug/l	0.00
Spiked Amount	50.000		Recovery	=	98.74%	
50) Toluene-d8	10.19	98	367281	49.57	ug/l	0.00
Spiked Amount	50.000		Recovery	=	99.14%	
62) 4-Bromofluorobenzene	12.49	95	122148	49.97	ug/l	0.00
Spiked Amount	50.000		Recovery	=	99.94%	
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.91	85	82767	50.313	ug/l	100
3) Chloromethane	2.12	50	100862	48.716	ug/l	100
4) Vinyl Chloride	2.26	62	108887	49.411	ug/l	100
5) Bromomethane	2.66	94	68291	50.183	ug/l	100
6) Chloroethane	2.80	64	62696	49.332	ug/l	100
7) Trichlorofluoromethane	3.14	101	135685	47.677	ug/l	100
8) Diethyl Ether	3.54	74	59084	48.835	ug/l	100
9) 1,1,2-Trichlorotrifluoroet	3.91	101	93182	48.201	ug/l	100
10) Methyl Iodide	4.11	142	110604	49.221	ug/l	100
11) Tert butyl alcohol	4.97	59	47421	199.131	ug/l	100
12) 1,1-Dichloroethene	3.89	96	95130	48.402	ug/l	100
13) Acrolein	3.74	56	57237	245.240	ug/l	100
14) Allyl chloride	4.50	41	156960	49.455	ug/l	100
15) Acrylonitrile	5.19	53	149526	241.677	ug/l	100
16) Acetone	3.97	43	121934	255.759	ug/l	100
17) Carbon Disulfide	4.21	76	318565	48.805	ug/l	100
18) Methyl Acetate	4.50	43	71292	48.210	ug/l	100
19) Methyl tert-butyl Ether	5.24	73	254680	49.290	ug/l	100
20) Methylene Chloride	4.74	84	106997	45.661	ug/l	100
21) trans-1,2-Dichloroethene	5.24	96	106860	48.439	ug/l	100
22) Diisopropyl ether	6.14	45	315319	49.368	ug/l	100
23) Vinyl Acetate	6.08	43	1004745	246.851	ug/l	100
24) 1,1-Dichloroethane	6.04	63	177256	48.792	ug/l	100
25) 2-Butanone	7.00	43	182218	241.513	ug/l	100
26) 2,2-Dichloropropane	7.00	77	143094	47.086	ug/l	100
27) cis-1,2-Dichloroethene	7.00	96	116877	48.602	ug/l	100
28) Bromochloromethane	7.35	49	77683	49.535	ug/l	100
29) Tetrahydrofuran	7.36	42	119603	239.814	ug/l	100
30) Chloroform	7.52	83	166355	48.577	ug/l	100
31) Cyclohexane	7.80	56	180508	47.335	ug/l	100
32) 1,1,1-Trichloroethane	7.72	97	141321	49.579	ug/l	100
36) 1,1-Dichloropropene	7.93	75	142334	48.569	ug/l	100
37) Ethyl Acetate	7.09	43	79384	47.417	ug/l	100
38) Carbon Tetrachloride	7.91	117	121409	48.434	ug/l	100

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.19	83	192677	48.333	ug/l	100
40) Benzene	8.18	78	431499	48.531	ug/l	100
41) Methacrylonitrile	7.34	41	42787m	38.686	ug/l	
42) 1,2-Dichloroethane	8.25	62	105842	48.056	ug/l	100
43) Isopropyl Acetate	8.28	43	146957	48.131	ug/l	100
44) Trichloroethene	8.95	130	124497	47.626	ug/l	100
45) 1,2-Dichloropropane	9.23	63	106854	48.436	ug/l	100
46) Dibromomethane	9.32	93	56317	48.824	ug/l	100
47) Bromodichloromethane	9.50	83	129185	48.811	ug/l	100
48) Methyl methacrylate	9.30	41	66815	48.803	ug/l	100
49) 1,4-Dioxane	9.31	88	16046	983.427	ug/l	100
51) 4-Methyl-2-Pentanone	10.08	43	377117	237.029	ug/l	100
52) Toluene	10.25	92	261494	48.801	ug/l	100
53) t-1,3-Dichloropropene	10.47	75	143394	49.726	ug/l	100
54) cis-1,3-Dichloropropene	9.94	75	171756	49.543	ug/l	100
55) 1,1,2-Trichloroethane	10.65	97	82067	48.597	ug/l	100
56) Ethyl methacrylate	10.52	69	119566	49.608	ug/l	100
57) 1,3-Dichloropropane	10.80	76	143891	48.477	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.79	63	294958	236.320	ug/l	100
59) 2-Hexanone	10.84	43	266736	241.563	ug/l	100
60) Dibromochloromethane	10.99	129	88817	49.324	ug/l	100
61) 1,2-Dibromoethane	11.10	107	77584	48.258	ug/l	100
64) Tetrachloroethene	10.72	164	131515	48.684	ug/l	100
65) Chlorobenzene	11.52	112	270282	48.663	ug/l	100
66) 1,1,1,2-Tetrachloroethane	11.60	131	91060	49.657	ug/l	100
67) Ethyl Benzene	11.60	91	496537	48.834	ug/l	100
68) m/p-Xylenes	11.70	106	369551	97.037	ug/l	100
69) o-Xylene	12.03	106	174351	48.764	ug/l	100
70) Styrene	12.05	104	305078	49.181	ug/l	100
71) Bromoform	12.21	173	50589	50.730	ug/l #	100
73) Isopropylbenzene	12.33	105	467570	49.353	ug/l	100
74) N-amyl acetate	12.14	43	129411	48.120	ug/l	100
75) 1,1,2,2-Tetrachloroethane	12.58	83	56069	48.916	ug/l	100
76) 1,2,3-Trichloropropane	12.64	75	72909m	30.177	ug/l	
77) Bromobenzene	12.61	156	102351	49.104	ug/l	100
78) n-propylbenzene	12.67	91	572914	48.622	ug/l	100
79) 2-Chlorotoluene	12.76	91	310953	48.560	ug/l	100
80) 1,3,5-Trimethylbenzene	12.81	105	384879	49.121	ug/l	100
81) trans-1,4-Dichloro-2-buten	12.38	75	36219	50.305	ug/l	100
82) 4-Chlorotoluene	12.86	91	326830	48.697	ug/l	100
83) tert-Butylbenzene	13.08	119	325076	49.531	ug/l	100
84) 1,2,4-Trimethylbenzene	13.13	105	383445	49.008	ug/l	100
85) sec-Butylbenzene	13.25	105	476293	48.716	ug/l	100
86) p-Isopropyltoluene	13.37	119	414126	49.215	ug/l	100
87) 1,3-Dichlorobenzene	13.37	146	195856	48.484	ug/l	100
88) 1,4-Dichlorobenzene	13.45	146	196040	47.809	ug/l	100
89) n-Butylbenzene	13.70	91	418329	48.501	ug/l	100
90) Hexachloroethane	13.96	117	78294	48.828	ug/l	100
91) 1,2-Dichlorobenzene	13.74	146	179195	48.818	ug/l	100
92) 1,2-Dibromo-3-Chloropropan	14.36	75	13389	48.297	ug/l	100

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.01	180	113438	47.281	ug/l	100
94) Hexachlorobutadiene	15.11	225	58436	48.358	ug/l	100
95) Naphthalene	15.24	128	259670	49.431	ug/l	100
96) 1,2,3-Trichlorobenzene	15.43	180	99656	47.836	ug/l	100

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

