

Data Path : Z:\VOASRV\HPCHEM1\MSVOA Y\DATA\VY040320\
 Data File : VY002224.D
 Acq On : 03 Apr 2020 17:24
 Operator : SY/MD
 Sample : VSTDCCC050
 Misc : 5.00G/5ML/MSVOA Y/SOIL
 ALS Vial : 17 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 VSTDCCC050EC

Manual Integrations
 APPROVED

MMDadoda
 4/6/2020 11:30:16 AM

Quant Time: Apr 04 01:57:15 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_Y\METHODS\82Y032620S.M
 Quant Title : SW846 8260
 QLast Update : Fri Mar 27 07:11:05 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.82	168	145123	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.71	114	268678	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.50	117	248058	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.44	152	111721	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.16	65	77219	48.13	ug/l	0.00
Spiked Amount	50.000		Recovery	=	96.26%	
35) Dibromofluoromethane	7.74	113	74496	49.48	ug/l	0.00
Spiked Amount	50.000		Recovery	=	98.96%	
50) Toluene-d8	10.19	98	301549	48.22	ug/l	0.00
Spiked Amount	50.000		Recovery	=	96.44%	
62) 4-Bromofluorobenzene	12.49	95	106444	48.67	ug/l	0.00
Spiked Amount	50.000		Recovery	=	97.34%	
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.91	85	43532	46.095	ug/l	100
3) Chloromethane	2.12	50	73348	43.249	ug/l	98
4) Vinyl Chloride	2.26	62	77873	45.148	ug/l	99
5) Bromomethane	2.66	94	56115	49.851	ug/l	97
6) Chloroethane	2.81	64	53205	48.039	ug/l	97
7) Trichlorofluoromethane	3.15	101	109884	46.489	ug/l	98
8) Diethyl Ether	3.55	74	49993	49.936	ug/l	100
9) 1,1,2-Trichlorotrifluoroet	3.92	101	76010	49.014	ug/l	98
10) Methyl Iodide	4.11	142	83970	45.537	ug/l	99
11) Tert butyl alcohol	4.99	59	52222	276.224	ug/l	96
12) 1,1-Dichloroethene	3.90	96	76258	48.427	ug/l	90
13) Acrolein	3.75	56	48015	203.202	ug/l	98
14) Allyl chloride	4.50	41	139084	48.247	ug/l	99
15) Acrylonitrile	5.19	53	137502	262.042	ug/l	99
16) Acetone	3.97	43	94296	209.210	ug/l	99
17) Carbon Disulfide	4.22	76	242085	46.324	ug/l	99
18) Methyl Acetate	4.50	43	58921	50.342	ug/l	100
19) Methyl tert-butyl Ether	5.25	73	227341	51.752	ug/l	99
20) Methylene Chloride	4.75	84	94312	50.602	ug/l	98
21) trans-1,2-Dichloroethene	5.25	96	89985	50.188	ug/l	97
22) Diisopropyl ether	6.14	45	299562	50.777	ug/l	98
23) Vinyl Acetate	6.09	43	987179	255.182	ug/l	98
24) 1,1-Dichloroethane	6.05	63	159150	50.738	ug/l	99
25) 2-Butanone	7.01	43	169601	245.056	ug/l	97
26) 2,2-Dichloropropane	7.01	77	123341	47.744	ug/l	98
27) cis-1,2-Dichloroethene	7.02	96	101076	51.243	ug/l	99
28) Bromochloromethane	7.36	49	72153	50.385	ug/l	98
29) Tetrahydrofuran	7.37	42	114729	252.841	ug/l	98
30) Chloroform	7.53	83	152771	51.383	ug/l	98
31) Cyclohexane	7.81	56	153966	46.065	ug/l	96
32) 1,1,1-Trichloroethane	7.73	97	124670	50.222	ug/l	99
36) 1,1-Dichloropropene	7.94	75	124010	48.798	ug/l	100
37) Ethyl Acetate	7.10	43	76140	49.579	ug/l	98
38) Carbon Tetrachloride	7.92	117	105494	48.928	ug/l	93

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.20	83	166317	49.893	ug/l	97
40) Benzene	8.18	78	379684	50.438	ug/l	100
41) Methacrylonitrile	7.35	41	38707m	49.828	ug/l	
42) 1,2-Dichloroethane	8.26	62	98363	49.218	ug/l	99
43) Isopropyl Acetate	8.29	43	142960	50.155	ug/l	99
44) Trichloroethene	8.96	130	91064	50.185	ug/l	95
45) 1,2-Dichloropropane	9.24	63	98839	51.567	ug/l	99
46) Dibromomethane	9.32	93	51217	52.031	ug/l	99
47) Bromodichloromethane	9.51	83	118740	51.817	ug/l	97
48) Methyl methacrylate	9.31	41	63332	49.581	ug/l	97
49) 1,4-Dioxane	9.31	88	13945	1032.378	ug/l	98
51) 4-Methyl-2-Pentanone	10.08	43	380983	259.576	ug/l	97
52) Toluene	10.25	92	232872	51.147	ug/l	98
53) t-1,3-Dichloropropene	10.48	75	129865	51.060	ug/l	100
54) cis-1,3-Dichloropropene	9.94	75	155237	51.840	ug/l	95
55) 1,1,2-Trichloroethane	10.66	97	75124	51.565	ug/l	96
56) Ethyl methacrylate	10.52	69	111109	52.216	ug/l	96
57) 1,3-Dichloropropane	10.80	76	132907	51.634	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.80	63	280740	256.761	ug/l	99
59) 2-Hexanone	10.85	43	254700	246.353	ug/l	97
60) Dibromochloromethane	11.00	129	81683	53.580	ug/l	100
61) 1,2-Dibromoethane	11.10	107	71076	52.123	ug/l	98
64) Tetrachloroethene	10.73	164	77497	51.063	ug/l	98
65) Chlorobenzene	11.53	112	241235	50.380	ug/l	98
66) 1,1,1,2-Tetrachloroethane	11.60	131	81769	51.044	ug/l	100
67) Ethyl Benzene	11.60	91	448178	50.396	ug/l	99
68) m/p-Xylenes	11.71	106	332052	100.985	ug/l	98
69) o-Xylene	12.04	106	158611	50.851	ug/l	98
70) Styrene	12.05	104	277009	51.251	ug/l	99
71) Bromoform	12.22	173	46937	53.496	ug/l #	99
73) Isopropylbenzene	12.34	105	419356	50.601	ug/l	100
74) N-amyl acetate	12.15	43	129512	49.549	ug/l	98
75) 1,1,2,2-Tetrachloroethane	12.59	83	93707	52.545	ug/l	98
76) 1,2,3-Trichloropropane	12.64	75	59382m	47.517	ug/l	
77) Bromobenzene	12.62	156	90701	51.268	ug/l	97
78) n-propylbenzene	12.68	91	518231	50.389	ug/l	100
79) 2-Chlorotoluene	12.77	91	284512	50.384	ug/l	98
80) 1,3,5-Trimethylbenzene	12.82	105	348318	50.942	ug/l	99
81) trans-1,4-Dichloro-2-buten	12.39	75	32088	49.744	ug/l	97
82) 4-Chlorotoluene	12.86	91	296034	49.750	ug/l	98
83) tert-Butylbenzene	13.08	119	290322	50.868	ug/l	98
84) 1,2,4-Trimethylbenzene	13.13	105	347472	50.934	ug/l	100
85) sec-Butylbenzene	13.27	105	427609	50.584	ug/l	100
86) p-Isopropyltoluene	13.38	119	373043	51.387	ug/l	100
87) 1,3-Dichlorobenzene	13.38	146	175054	50.580	ug/l	98
88) 1,4-Dichlorobenzene	13.45	146	178118	51.143	ug/l	100
89) n-Butylbenzene	13.70	91	377348	49.889	ug/l	99
90) Hexachloroethane	13.97	117	70807	51.763	ug/l	99
91) 1,2-Dichlorobenzene	13.75	146	162310	50.783	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.37	75	14598	51.102	ug/l	98

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.02	180	105588	51.254	ug/l	98
94) Hexachlorobutadiene	15.12	225	50524	49.685	ug/l	99
95) Naphthalene	15.25	128	255800	52.279	ug/l	99
96) 1,2,3-Trichlorobenzene	15.44	180	93086	49.829	ug/l	98

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

