

Data Path : Z:\VOASRV\HPCHEM1\MSVOA Y\DATA\VY020720\
 Data File : VY001550.D
 Acq On : 07 Feb 2020 13:22
 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
 2/10/2020 11:27:04 AM

Quant Time: Feb 08 02:36:17 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_Y\METHODS\82Y020420S.M
 Quant Title : SW846 8260
 QLast Update : Tue Feb 04 15:10:08 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.81	168	208112	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.71	114	361254	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.50	117	324373	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.43	152	157351	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	113531	54.18	ug/l	0.00
Spiked Amount			Recovery	=	108.36%	
35) Dibromofluoromethane	7.74	113	104032	49.94	ug/l	0.00
Spiked Amount			Recovery	=	99.88%	
50) Toluene-d8	10.19	98	434851	55.17	ug/l	0.00
Spiked Amount			Recovery	=	110.34%	
62) 4-Bromofluorobenzene	12.49	95	160941	51.83	ug/l	0.00
Spiked Amount			Recovery	=	103.66%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	1.91	85	87479	42.942	ug/l	96
3) Chloromethane	2.13	50	112039	52.621	ug/l	97
4) Vinyl Chloride	2.26	62	118514	53.607	ug/l	99
5) Bromomethane	2.66	94	77592	55.806	ug/l	92
6) Chloroethane	2.81	64	74318	55.768	ug/l	98
7) Trichlorofluoromethane	3.15	101	155711	42.550	ug/l	97
8) Diethyl Ether	3.55	74	60087	48.657	ug/l	92
9) 1,1,2-Trichlorotrifluoroet	3.92	101	98803	44.873	ug/l	98
10) Methyl Iodide	4.11	142	122792	43.767	ug/l	99
11) Tert butyl alcohol	4.99	59	52640	219.239	ug/l	98
12) 1,1-Dichloroethene	3.90	96	99271	45.370	ug/l	95
13) Acrolein	3.75	56	56672	285.632	ug/l	99
14) Allyl chloride	4.50	41	172224	51.454	ug/l	97
15) Acrylonitrile	5.19	53	158477	279.934	ug/l	100
16) Acetone	3.97	43	162885	268.737	ug/l	99
17) Carbon Disulfide	4.22	76	320263	45.979	ug/l	97
18) Methyl Acetate	4.50	43	71744	55.468	ug/l	94
19) Methyl tert-butyl Ether	5.25	73	278416	47.848	ug/l	99
20) Methylene Chloride	4.74	84	109761	45.857	ug/l	90
21) trans-1,2-Dichloroethene	5.25	96	112006	46.048	ug/l	97
22) Diisopropyl ether	6.14	45	359108	54.152	ug/l	94
23) Vinyl Acetate	6.09	43	1218624	288.669	ug/l	96
24) 1,1-Dichloroethane	6.05	63	192984	48.382	ug/l	99
25) 2-Butanone	7.01	43	233016	296.331	ug/l	94
26) 2,2-Dichloropropane	7.01	77	170867	44.759	ug/l	99
27) cis-1,2-Dichloroethene	7.01	96	123107	46.338	ug/l	97
28) Bromochloromethane	7.36	49	87335	64.272	ug/l	90
29) Tetrahydrofuran	7.37	42	142670	302.711	ug/l	92
30) Chloroform	7.53	83	185753	45.974	ug/l	97
31) Cyclohexane	7.80	56	195464	47.906	ug/l	95
32) 1,1,1-Trichloroethane	7.72	97	164251	44.838	ug/l	97
36) 1,1-Dichloropropene	7.94	75	154320	46.696	ug/l	99
37) Ethyl Acetate	7.10	43	92840	58.031	ug/l	96
38) Carbon Tetrachloride	7.92	117	139969	43.776	ug/l	98

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.19	83	207940	47.786	ug/l	99
40) Benzene	8.18	78	457747	48.561	ug/l	100
41) Methacrylonitrile	7.34	41	40844m	55.085	ug/l	
42) 1,2-Dichloroethane	8.25	62	125744	47.881	ug/l	99
43) Isopropyl Acetate	8.29	43	183951	58.073	ug/l	94
44) Trichloroethene	8.96	130	115570	45.485	ug/l	97
45) 1,2-Dichloropropane	9.23	63	116419	51.146	ug/l	100
46) Dibromomethane	9.31	93	62429	48.843	ug/l	99
47) Bromodichloromethane	9.51	83	147281	47.292	ug/l	99
48) Methyl methacrylate	9.30	41	85704	59.613	ug/l	90
49) 1,4-Dioxane	9.31	88	16982	1006.041	ug/l	98
51) 4-Methyl-2-Pentanone	10.08	43	477399	306.035	ug/l	95
52) Toluene	10.25	92	285776	47.780	ug/l	99
53) t-1,3-Dichloropropene	10.47	75	165131	48.682	ug/l	98
54) cis-1,3-Dichloropropene	9.94	75	187187	48.068	ug/l	95
55) 1,1,2-Trichloroethane	10.65	97	91801	50.059	ug/l	97
56) Ethyl methacrylate	10.52	69	139355	53.427	ug/l	93
57) 1,3-Dichloropropane	10.80	76	159535	49.351	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.79	63	297688	310.241	ug/l	95
59) 2-Hexanone	10.84	43	349935	308.525	ug/l	97
60) Dibromochloromethane	10.99	129	101896	47.138	ug/l	100
61) 1,2-Dibromoethane	11.10	107	86875	48.097	ug/l	99
64) Tetrachloroethene	10.72	164	93446	43.928	ug/l	98
65) Chlorobenzene	11.52	112	297427	46.699	ug/l	100
66) 1,1,1,2-Tetrachloroethane	11.60	131	101175	45.388	ug/l	99
67) Ethyl Benzene	11.60	91	555070	47.135	ug/l	99
68) m/p-Xylenes	11.70	106	414165	93.685	ug/l	99
69) o-Xylene	12.03	106	195550	46.914	ug/l	99
70) Styrene	12.05	104	344506	47.794	ug/l	99
71) Bromoform	12.21	173	61029	49.168	ug/l #	99
73) Isopropylbenzene	12.33	105	532101	44.338	ug/l	100
74) N-amyl acetate	12.15	43	178087	57.107	ug/l	95
75) 1,1,2,2-Tetrachloroethane	12.59	83	116470	51.082	ug/l	99
76) 1,2,3-Trichloropropane	12.64	75	84933m	50.192	ug/l	
77) Bromobenzene	12.61	156	116220	44.749	ug/l	92
78) n-propylbenzene	12.67	91	656858	45.720	ug/l	99
79) 2-Chlorotoluene	12.77	91	362644	44.282	ug/l	99
80) 1,3,5-Trimethylbenzene	12.82	105	445176	44.047	ug/l	98
81) trans-1,4-Dichloro-2-buten	12.39	75	45470	51.994	ug/l	98
82) 4-Chlorotoluene	12.86	91	384291	44.756	ug/l	100
83) tert-Butylbenzene	13.08	119	377610	44.201	ug/l	99
84) 1,2,4-Trimethylbenzene	13.13	105	443328	44.319	ug/l	99
85) sec-Butylbenzene	13.26	105	548494	45.665	ug/l	100
86) p-Isopropyltoluene	13.38	119	477347	45.098	ug/l	99
87) 1,3-Dichlorobenzene	13.38	146	226517	45.511	ug/l	99
88) 1,4-Dichlorobenzene	13.45	146	228844	45.894	ug/l	98
89) n-Butylbenzene	13.70	91	488297	46.756	ug/l	99
90) Hexachloroethane	13.97	117	91005	44.796	ug/l	99
91) 1,2-Dichlorobenzene	13.75	146	208552	46.237	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.37	75	19226	45.676	ug/l	95

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.02	180	136990	45.069	ug/l	99
94) Hexachlorobutadiene	15.12	225	67639	43.845	ug/l	98
95) Naphthalene	15.25	128	323816	45.330	ug/l	100
96) 1,2,3-Trichlorobenzene	15.44	180	119714	44.618	ug/l	99

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

