

Data Path : Z:\VOASRV\HPCHEM1\MSVOA Y\DATA\VY020420\
 Data File : VY001484.D
 Acq On : 04 Feb 2020 13:59
 Operator : SY/MD
 Sample : VSTDICCC050
 Misc : 5.00G/5ML/MSVOA Y/SOIL
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 VSTDICCC050

Manual Integrations
 APPROVED

MMDadoda
 2/5/2020 12:23:43 PM

Quant Time: Feb 04 14:47:26 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_Y\METHODS\82Y020420S.M
 Quant Title : SW846 8260
 QLast Update : Tue Feb 04 14:37:10 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.81	168	237914	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.71	114	409936	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.50	117	358179	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.43	152	164889	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	117343	46.24	ug/l	0.00
Spiked Amount			Recovery	=	92.48%	
35) Dibromofluoromethane	7.74	113	114499	47.87	ug/l	0.00
Spiked Amount			Recovery	=	95.74%	
50) Toluene-d8	10.19	98	462594	49.86	ug/l	0.00
Spiked Amount			Recovery	=	99.72%	
62) 4-Bromofluorobenzene	12.49	95	169350	46.12	ug/l	0.00
Spiked Amount			Recovery	=	92.24%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	1.91	85	120312	61.242	ug/l	100
3) Chloromethane	2.13	50	121116	43.487	ug/l	100
4) Vinyl Chloride	2.26	62	128874	44.470	ug/l	100
5) Bromomethane	2.66	94	81546	41.866	ug/l	100
6) Chloroethane	2.81	64	77653	42.257	ug/l	100
7) Trichlorofluoromethane	3.15	101	209997	54.413	ug/l	100
8) Diethyl Ether	3.55	74	68892	43.933	ug/l	100
9) 1,1,2-Trichlorotrifluoroet	3.93	101	127656	52.486	ug/l	100
10) Methyl Iodide	4.11	142	169108	53.135	ug/l	100
11) Tert butyl alcohol	4.99	59	60279	157.200	ug/l	100
12) 1,1-Dichloroethene	3.90	96	126989	50.050	ug/l	100
13) Acrolein	3.75	56	53130	239.082	ug/l	100
14) Allyl chloride	4.51	41	191116	43.401	ug/l	100
15) Acrylonitrile	5.20	53	154643	196.379	ug/l	100
16) Acetone	3.97	43	169764	228.793	ug/l	100
17) Carbon Disulfide	4.22	76	406314	50.747	ug/l	100
18) Methyl Acetate	4.50	43	68009	32.826	ug/l	100
19) Methyl tert-butyl Ether	5.25	73	324808	44.675	ug/l	100
20) Methylene Chloride	4.74	84	140723	35.700	ug/l	100
21) trans-1,2-Dichloroethene	5.25	96	139253	47.688	ug/l	100
22) Diisopropyl ether	6.15	45	379462	40.890	ug/l	100
23) Vinyl Acetate	6.09	43	1195382	199.695	ug/l	100
24) 1,1-Dichloroethane	6.05	63	228498	45.891	ug/l	100
25) 2-Butanone	7.02	43	215821	198.231	ug/l	100
26) 2,2-Dichloropropane	7.00	77	211347	47.158	ug/l	100
27) cis-1,2-Dichloroethene	7.02	96	150459	46.375	ug/l	100
28) Bromochloromethane	7.36	49	85403	42.512	ug/l	100
29) Tetrahydrofuran	7.37	42	127917	182.861	ug/l	100
30) Chloroform	7.53	83	231889	47.116	ug/l	100
31) Cyclohexane	7.81	56	226202	45.497	ug/l	100
32) 1,1,1-Trichloroethane	7.72	97	212369	50.617	ug/l	100
36) 1,1-Dichloropropene	7.94	75	190767	49.111	ug/l	100
37) Ethyl Acetate	7.10	43	86437	38.063	ug/l	100
38) Carbon Tetrachloride	7.92	117	186541	53.184	ug/l	100

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.19	83	254214	50.877	ug/l	100
40) Benzene	8.18	78	541717	46.963	ug/l	100
41) Methacrylonitrile	7.35	41	46875m	40.428	ug/l	
42) 1,2-Dichloroethane	8.26	62	146157	45.616	ug/l	100
43) Isopropyl Acetate	8.29	43	173191	39.213	ug/l	100
44) Trichloroethene	8.96	130	145374	48.660	ug/l	100
45) 1,2-Dichloropropane	9.23	63	129464	44.832	ug/l	100
46) Dibromomethane	9.32	93	71705	45.958	ug/l	100
47) Bromodichloromethane	9.51	83	179022	47.668	ug/l	100
48) Methyl methacrylate	9.30	41	79227	39.311	ug/l	100
49) 1,4-Dioxane	9.31	88	17933	827.731	ug/l	100
51) 4-Methyl-2-Pentanone	10.08	43	423033	186.790	ug/l	100
52) Toluene	10.25	92	342022	46.806	ug/l	100
53) t-1,3-Dichloropropene	10.47	75	192943	46.755	ug/l	100
54) cis-1,3-Dichloropropene	9.94	75	223896	47.066	ug/l	100
55) 1,1,2-Trichloroethane	10.66	97	103300	45.164	ug/l	100
56) Ethyl methacrylate	10.52	69	147745	43.094	ug/l	100
57) 1,3-Dichloropropane	10.80	76	181292	45.392	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.79	63	271362	221.373	ug/l	100
59) 2-Hexanone	10.84	43	314804	198.773	ug/l	100
60) Dibromochloromethane	10.99	129	123797	47.814	ug/l	100
61) 1,2-Dibromoethane	11.10	107	101757	46.803	ug/l	100
64) Tetrachloroethene	10.73	164	119274	51.377	ug/l	100
65) Chlorobenzene	11.52	112	360816	47.890	ug/l	100
66) 1,1,1,2-Tetrachloroethane	11.59	131	125289	48.722	ug/l	100
67) Ethyl Benzene	11.60	91	663861	47.860	ug/l	100
68) m/p-Xylenes	11.71	106	496916	95.986	ug/l	100
69) o-Xylene	12.03	106	236827	47.611	ug/l	100
70) Styrene	12.05	104	407144	46.815	ug/l	100
71) Bromoform	12.21	173	70149	46.136	ug/l	# 100
73) Isopropylbenzene	12.34	105	643209	49.347	ug/l	100
74) N-amyl acetate	12.15	43	161510	39.452	ug/l	100
75) 1,1,2,2-Tetrachloroethane	12.59	83	117947	43.392	ug/l	100
76) 1,2,3-Trichloropropane	12.64	75	87523m	44.851	ug/l	
77) Bromobenzene	12.61	156	139371	48.446	ug/l	100
78) n-propylbenzene	12.67	91	767094	49.048	ug/l	100
79) 2-Chlorotoluene	12.76	91	436087	48.748	ug/l	100
80) 1,3,5-Trimethylbenzene	12.82	105	540801	49.700	ug/l	100
81) trans-1,4-Dichloro-2-buten	12.39	75	45402	44.102	ug/l	100
82) 4-Chlorotoluene	12.86	91	456283	47.928	ug/l	100
83) tert-Butylbenzene	13.08	119	460139	50.153	ug/l	100
84) 1,2,4-Trimethylbenzene	13.13	105	533451	48.881	ug/l	100
85) sec-Butylbenzene	13.26	105	649295	49.962	ug/l	100
86) p-Isopropyltoluene	13.38	119	568736	49.566	ug/l	100
87) 1,3-Dichlorobenzene	13.38	146	261831	47.484	ug/l	100
88) 1,4-Dichlorobenzene	13.45	146	263280	46.996	ug/l	100
89) n-Butylbenzene	13.70	91	559624	48.617	ug/l	100
90) Hexachloroethane	13.97	117	109899	50.532	ug/l	100
91) 1,2-Dichlorobenzene	13.75	146	239030	47.091	ug/l	100
92) 1,2-Dibromo-3-Chloropropan	14.36	75	20979	44.281	ug/l	100

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.02	180	158153	46.226	ug/l	100
94) Hexachlorobutadiene	15.12	225	81248	48.493	ug/l	100
95) Naphthalene	15.24	128	349718	45.040	ug/l	100
96) 1,2,3-Trichlorobenzene	15.43	180	136226	45.589	ug/l	100

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

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